

MedChemExpress Peptides and Applications

MedChemExpress (MCE) offers a comprehensive collection of peptides with excellent lot-to-lot consistency, high purity and excellent activity for a variety of applications, including neuroscience, cardiovascular, diabetes, cancer & apoptosis, adhesion & extracellular matrix, cell permeable & penetrating peptides, epigenetics, cell signaling and peptide & protein analysis. MCE can also offer Custom Peptide Synthesis Service based on your needs.

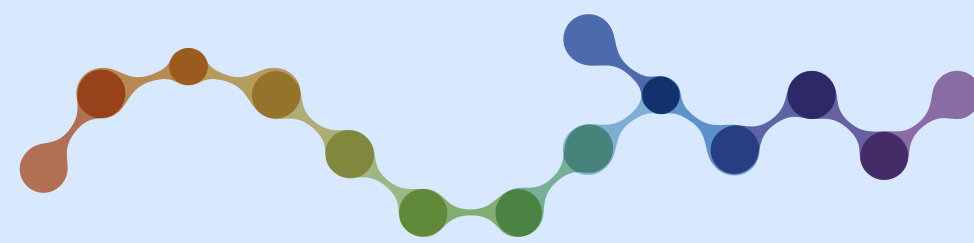
Advantages

- Innovation and diversification
- High purity and excellent activity
- Excellent Lot-to-Lot Consistency
- Thorough analytical tests
- In-stock and fast delivery
- Professional technical support

Custom Peptide Synthesis Service

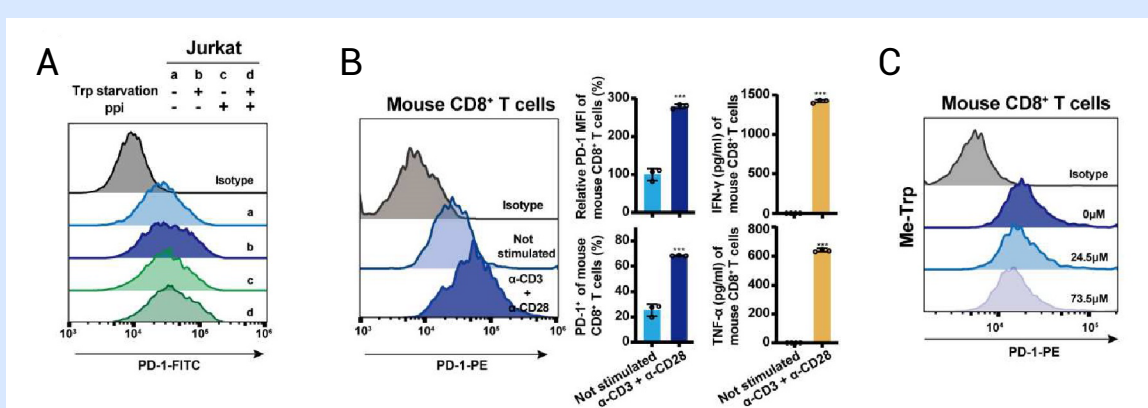
- Flexible Quantities
- Spectrum of Purities
- Latest Synthesis Technologies
- Comprehensive Modifications
- Guaranteed Quality
- Reliable Technical Support

- **Standard Peptide Synthesis:** Flexible Quantities and Purities
- **Modifications of Peptide:** Phosphorylation, Methylation, Acetylation, and Amidation etc.

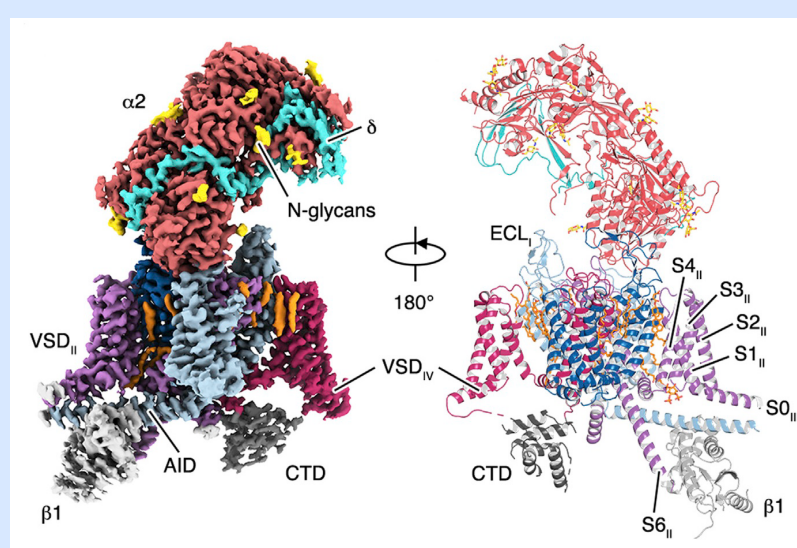


- **Peptide Library:** Fast, Precise and Novel
- **Recombinant Peptides:** More Options for Length, Sequence and Size

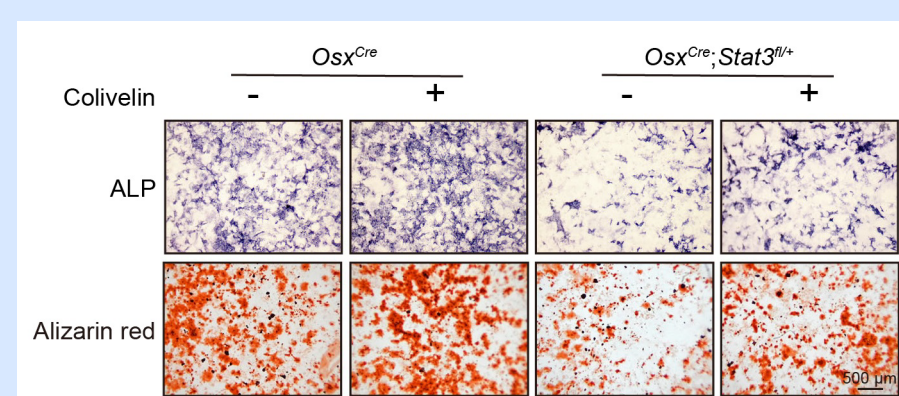
Customer Validation



VIVIT peptide (HY-P1026) decreases the IL-2, IFN- γ and TNF- α cytokine levels in Jurkat T cells by flow cytometry assay. (Usage Cited in *J Immunother Cancer*. 2021; 9(7): e002840.)

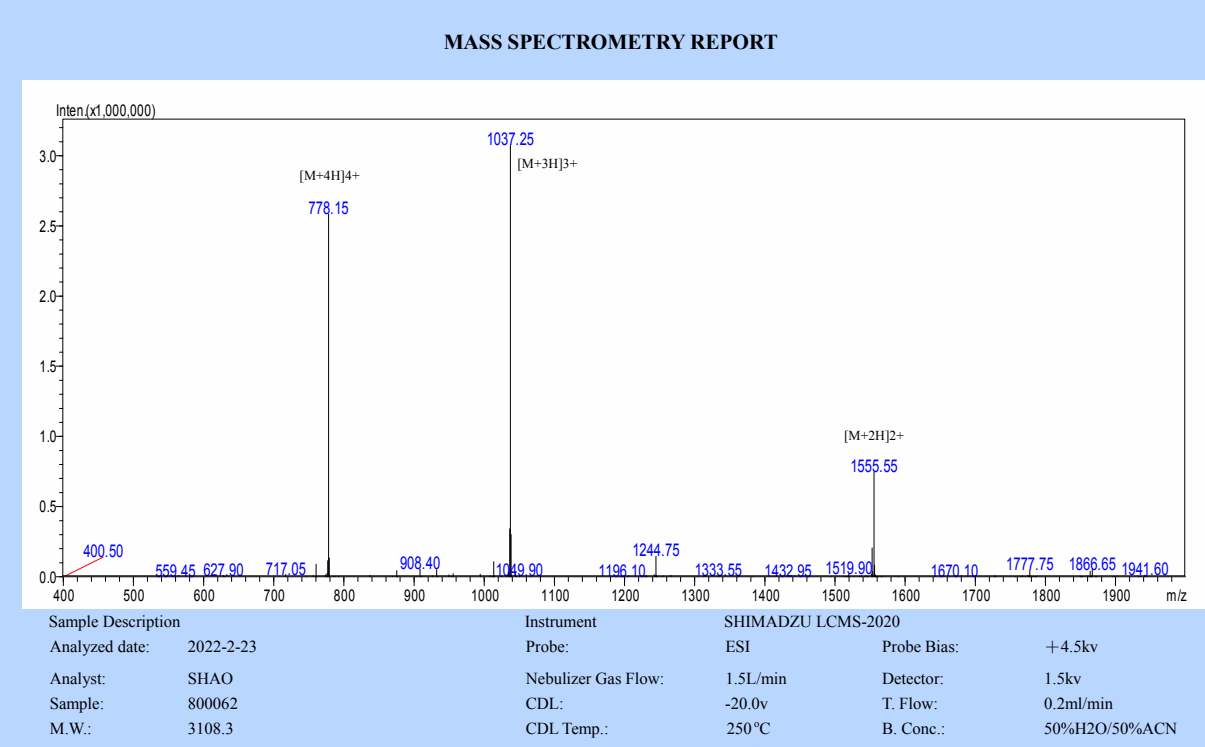
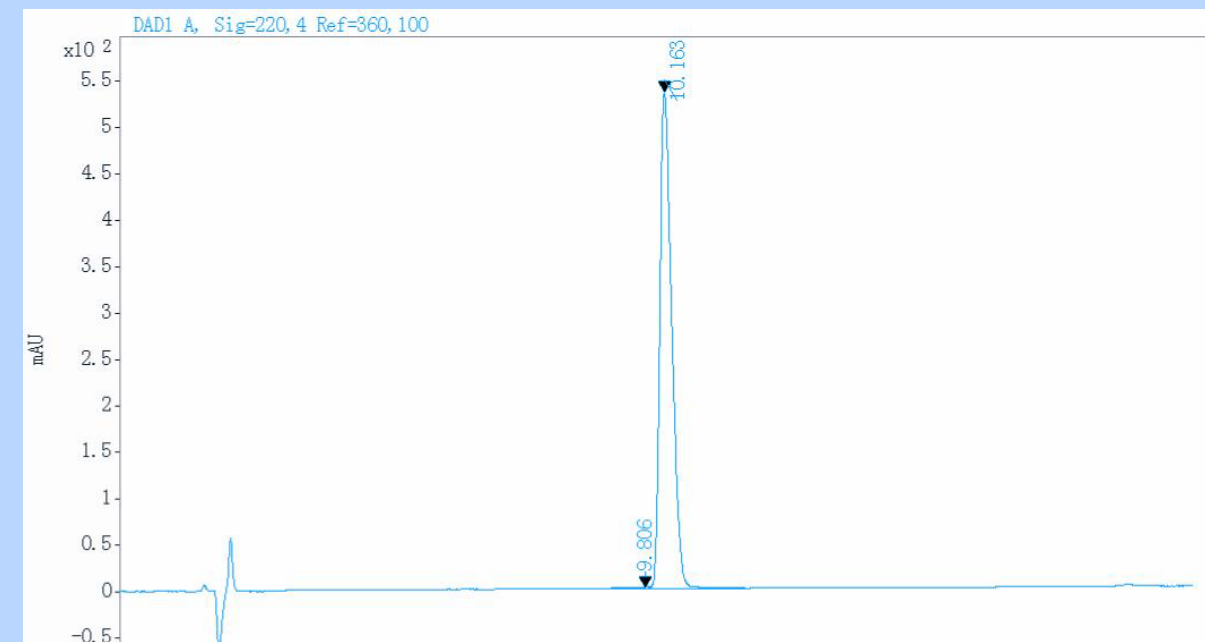


The density map and model of the CaV2.2EM complex as seen in parallel to the membrane plane. The human N-terminal truncated CaV2.2, full-length wild-type (WT) $\alpha 2\delta 1$, and full-length WT $\beta 1$ are co-expressed in HEK293 cells. For the purification of human CaV2.2- $\alpha 2\delta 1$ - $\beta 1$ complex, 0.5 $\mu\text{g}/\text{mL}$ Pepstatin (HY-P0018) can be added in the purification buffer. (Usage Cited in *Cell Rep*. 2021 Nov 2;37(5):109931.)

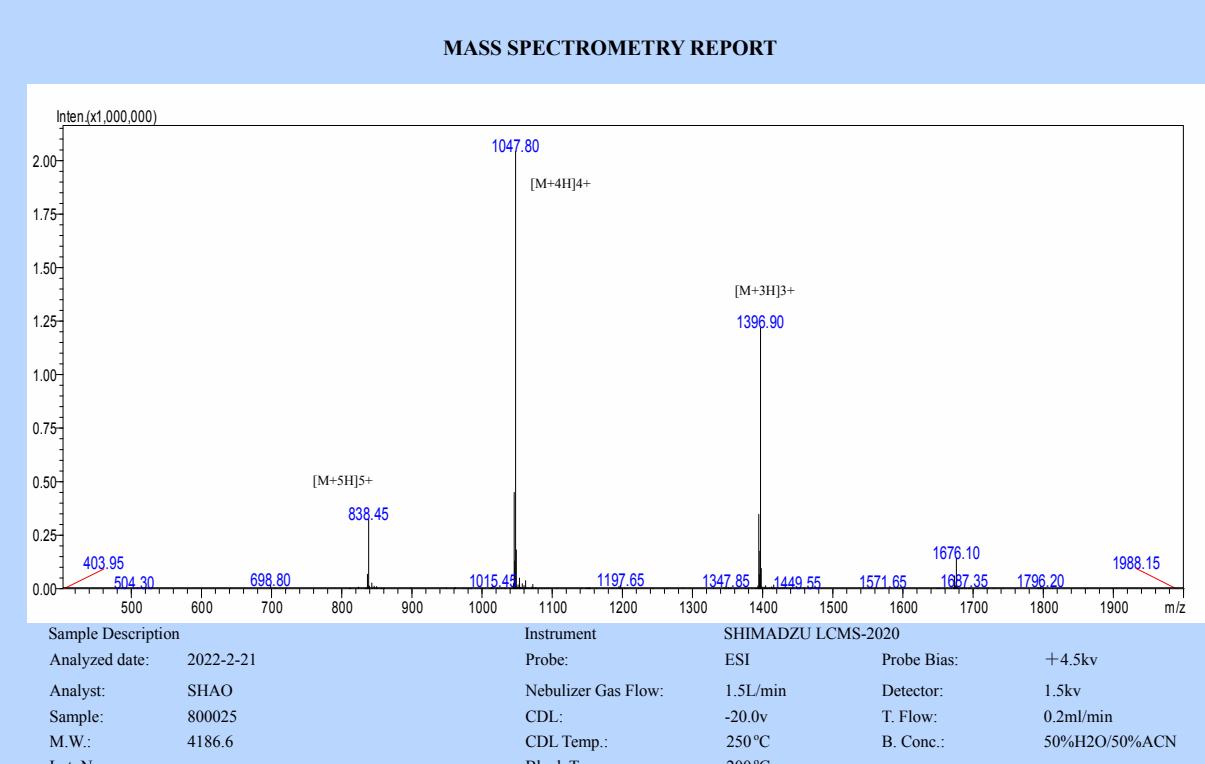
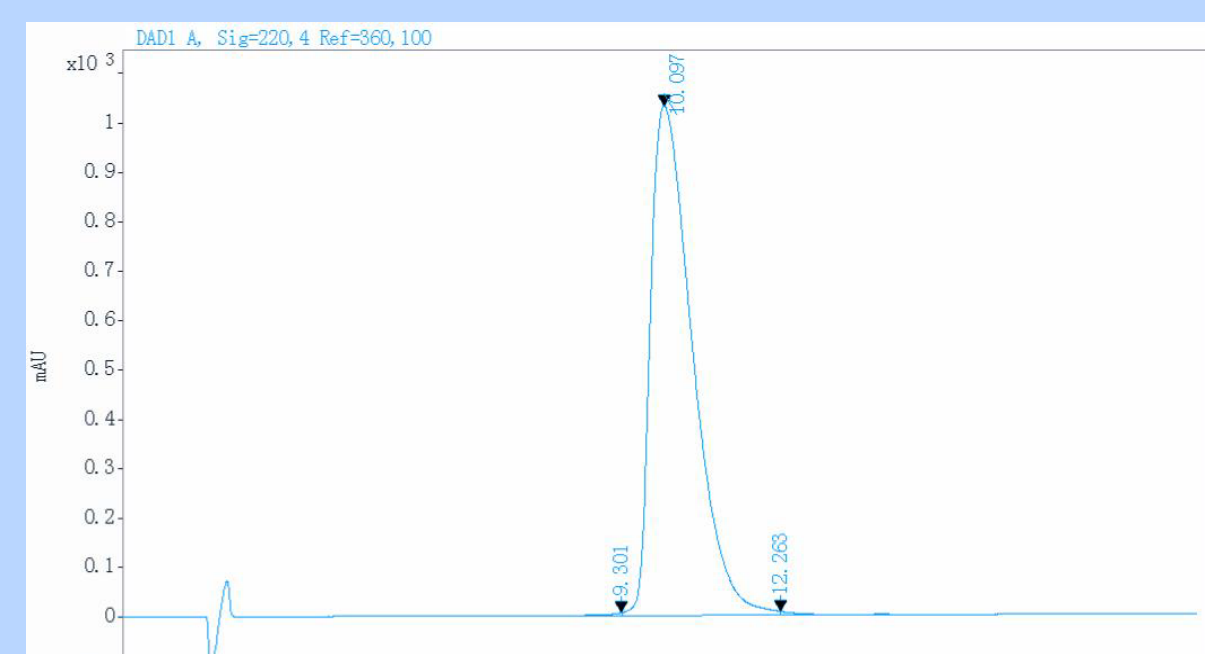


In heterozygous pre-osteoblast-specific Stat3 deletion mice, Colivelin (HY-P1061A) can promote osteoblast differentiation of BMSCs from *sxCre* s well as rescued the impaired osteoblast differentiation ability of *sxCre*; *tat3fl/+* MSCs, which was indicated by ALP activity and alizarin red S staining. (Usage Cited in *Nat Commun*. 2021; 12: 6891.)

Detection of HPLC and MS



The purity of Thymalfasin (Cat. No. HY-P0091) was more than 99% and the molecular weight of this molecular weight of the peptide was around 3108.3 g/mol verified by Mass Spectrometry.



The purity of Exendin-4 (Cat. No. HY-13443) was more than 99% and the molecular weight of the peptide was around 4186.6 g/mol verified by Mass Spectrometry.

Applications	Cat. No.	Name
Neuroscience Peptides	HY-P1363	β -Amyloid (1-42), human (TFA)
	HY-P0265	β -Amyloid (1-40)
	HY-P1061A	Colivelin TFA
	HY-P1240A	MOG (35-55) (TFA)
	HY-P0305	PrP 106-126
Diabetes Related Peptides	HY-P1745	InsB (9-23)
	HY-P0150	Glucagon (19-29), human
	HY-13443	Exendin-4
	HY-P1070	Amylin, amide, human
Adhesion & ECM peptides	HY-P0054	GLP-1 (7-36), amide acetate
	HY-12290	Arg-Gly-Asp-Ser
	HY-P0322	GRGDSPK
	HY-P0023	Cyclo(RGDfK)
Host Defense Peptides	HY-P1187	HSDVHK-NH2
	HY-P2532	Integrin Binding Peptide
	HY-P0286	OVA (323-339)
	HY-P2506A	Gp100 (25-33), mouse TFA
Peptide Hormones	HY-P0328	VSV-G tag Peptide
	HY-P1778A	HPV16 E7 (86-93) (TFA)
	HY-P1844A	Chemerin-9 (149-157) (TFA)
	HY-P0195	Bombesin
Protein & Peptide Analysis	HY-17571A	Oxytocin acetate
	HY-P1806A	Gastrin I (1-14), human TFA
	HY-P1021A	Peptide YY (PYY) (3-36), porcine TFA
	HY-P0090	Calcitonin (salmon)
Cardiovascular Peptides	HY-P0179	β -Casomorphin, bovine
	HY-P0223	FLAG peptide
	HY-P0239	HA Peptide
	HY-P0319	3X FLAG peptide
Cancer & Apoptosis Peptides	HY-P0294	Hexa-His
	HY-13948	Angiotensin II human
	HY-P0133A	(Arg) ⁹ TFA
	HY-P2490	Acetyl-Hirudin (54-65) (sulfated)
Cell permeable & penetrating Peptides - CPP	HY-P1071	α -CGRP(human)
	HY-P0202	Endothelin 1 (swine, human)
	HY-P2260	Tat-beclin 1
	HY-P1380A	Difopein TFA
Epigenetics	HY-P0111	Z-WEHD-FMK
	HY-P1585A	Gp100 (25-33), human TFA
	HY-P2478A	Human PD-L1 inhibitor V TFA
	HY-P0307A	Antennapedia Peptide (TFA)
Cell Signaling Peptides	HY-P0281A	TAT TFA
	HY-P0246	Mastoparan
	HY-P1043A	NGR peptide Trifluoroacetate
	HY-P0310	SV40 large T antigen NLS
Cell Signaling Peptides	HY-P2509	Histone H2A (1-20)
	HY-P1958	Histone H4 (2-21)
	HY-P2258	Histone H3 (1-34)
	HY-P2257	H3K4(Me3) (1-20)
Cell Signaling Peptides	HY-P2480	Histone H1-derived Peptide
	HY-P1082	Gap 26
	HY-P0139	Gap 27
	HY-P2512	Phytochelatin 2 (PC2)
Cell Signaling Peptides	HY-P1849A	JAG-1, scrambled TFA
	HY-P0256A	Apamin TFA

Publications Citing Use of MCE Peptides

- *Nature*. 2021 Mar;591(7851):620-626.
- *Cell Metab*. 2021 Feb 2;33(2):283-299.e9.
- *Mol Cell*. 2020 Feb 20;77(4):734-747.e7.
- *Nat Microbiol*. 2021 May;6(5):658-671.
- *Circ Res*. 2020 Mar 13;126(6):e15-e29.
- *Microbiome*. 2019 Mar 20;7(1):43.
- *Nucleic Acids Res*. 2021 Jan 8;49(D1):D1113-D1121.
- *Biomaterials*. 2021, 120784.
- *Biosens Bioelectron*. 2018 Oct 15;117:224-231.
- *Autophagy*. 2020 Jan 27:1-15.
- *Arthritis Rheumatol*. 2019 Aug;71(8):1252-1264.
- *Proc Natl Acad Sci U S A*. 2020 Mar 24;117(12):6622-6629.
- *Prog Neurobiol*. 2021 Mar 22;102041.
- *J Hazard Mater*. 2021 Jan 13;411:125134.
- *ACS Appl Mater Interfaces*. 2019 Jul 31;11(30):26648-26663.
- *Bioact Mater*. 6 (2021) 2039-2057.
- *Theranostics*. 2020 Aug 13;10(24):11110-11126.
- *Biofabrication*. 2021 Apr 26;13(3)
- *Cardiovasc Res*. 2019 Aug 1;115(10):1533-1545.
- *Cell Rep*. 2021, 108959.

MedChemExpress USA

Tel: 609-228-6898 E-mail: sales@MedChemExpress.com
 Fax: 609-228-5909 Tech Support: tech@MedChemExpress.com
 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

MedChemExpress China

Tel: 021-58955995 E-mail: sales@MedChemExpress.cn
 Fax: 021-53700325 Tech Support: tech@MedChemExpress.cn
 Address: No.1999, Zhangheng Road, Shanghai, P.R., 201203, China.

Master of
Bioactive Molecules
www.MedChemExpress.com

