

Overview

Synonyms	IL17RLM; SEF
Description	Interleukin-17 receptor D (IL-17RD) , also known as similar expression to the fibroblast growth factor receptor (SEF), is a member of the interleukin-17 receptor family. Studies indicate that IL-17RD interacts with IL-17R to facilitate IL-17 signaling. Additionally, IL-17RD may play an important role in preventing certain types of cancer. Studies suggest that IL-17D acts as a feedback inhibitor of fibroblast growth factor-mediated MAPK signaling and ERK activation. Studies indicate that IL-17D can bind to MEK/ERK complexes preventing nuclear ERK translocation and subsequent cell proliferation. Recombinant Mouse IL-17 RD produced in CHO cells is a polypeptide chain containing 271 amino acids. A fully biologically active molecule, rIL-17 RD has a molecular mass of 53-56 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Accession No	Q8JZL1-1
Source	CHO
Biological Activity	ED ₅₀ < 5 µg /ml, measured in a cell proliferation assay using wt MEF cells.
Sequence	GSGRARGADT CGWRGVGPAS RNSGLHNITF RYDNCTTYLN PGGKHAIADA QNITISQYAC HDQVAVTILWSPGALGIEFL KGFRVILEEL KSEGRQCQQL ILKDPKQLNS SFRRTGMESQ PFLNMKFETD YFVKIVPFPSPKIKNESNYHPF FFRTRACDLL LQPDNLACKP FWKPRNLNIS QHGSMDHVSF DHAPQNFGR GFHVLYKLLKHEGPFRRRTCR QDQNTETTSC LLQNVSPGDY IIELVDDSNTRKAAQYVVK SVQSPWAGPI R

Properties

Measured Molecular Weight	53-56 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE&HPLC.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Mouse Interleukin-17 D Receptor remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse Interleukin-17 D Receptor should be stable up to 1 week at 4°C or up to 2 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.
Note	For research use only

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