

Overview

Synonyms	C-X-C motif chemokine 5, Small-inducible cytokine B5, Cytokine LIX, Cxcl5, Scyb5, LIX, GCP-2, Scyb6, ENA-78, AMCF-II.
Description	<p>Mouse LIX (C-X-C motif chemokine 5) is a small cytokine belonging to the CXC chemokine family that is cleaved into the following 2 chains [GCP-2(1-78) and GCP-2(9-78)]. Mouse LIX plays a role in reducing sensitivity to sunburn pain in some subjects, and is a potential target which could be used to understand more about pain in other inflammatory conditions. It is most closely related to two highly homologous human neutrophil chemoattractants GCP-2 and ENA-78. The first 78 amino acid residues within the predicted mature mouse LIX shares approximately 61% and 55% amino acid identity with human GCP-2 and ENA-78. This chemokine stimulates the chemotaxis of neutrophils possessing angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2.</p> <p>Recombinant mouse LIX/CXCL5 (74aa) produced in <i>CHO</i> cells is a single polypeptide chain containing 74 amino acids. rmLIX/CXCL5(74aa) has a molecular mass of 8 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.</p>
Accession No	P50228
Species	Mouse
Source	<i>CHO</i>
Biological Activity	The EC ₅₀ value of mouse LIX/CXCL5 (74aa) on Ca ²⁺ mobilization assay in CHO-K1/G±15/mCXCR2 cells (human G±15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 200 ng/mL.
Sequence	VIAATELRVCV CLTVTPKINP KLIANLEVIP AGPQCPTVEV IAKLNQKEV CLDPEAPVIK KIIQKILGSD KKKA

Properties

Measured Molecular Weight	8 kDa, observed by reducing SDS-PAGE.
Purity	> 98% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against 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 LIX/CXCL5 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, mouse LIX/CXCL5 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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