

Recombinant Mouse LPS-induced CXC Chemokine/CXCL5 (Mouse LIX/CXCL5)

Product Information

Product Name	Cat#	Size
Recombinant Mouse LPS-induced CXC Chemokine/CXCL5 (Mouse LIX/CXCL5)	90925ES08	5 µg
	90925ES60	100 µg
	90925ES76	500 µg

Product Description

CXCL5 (epithelial neutrophil-activating peptide-78) is a member of a proangiogenic subgroup of the CXC-type chemokine family of small, secreted proteins. Human CXCL5 shares 57% amino acid (aa) sequence identity with mouse and rat CXCL5. Full length CXCL5 (78 aa) is trimmed at the N-terminus by cathepsin G and chymotrypsin to ENA-74 (74 aa) and ENA-70 (70 aa), with the shortened forms showing increased potency relative to full length CXCL5. CXCL5 which acts as a potent chemoattractant and activator of neutrophil function was reported to play a multifaceted role in tumorigenesis. CXCL5 targeted therapy would prevent not only the development of type II diabetes in obese subjects, but also several other obesity-related co morbidities.

Product Properties

Synonyms	chemokine (C-C motif) ligand 5, C-X-C motif chemokine 5, CXCL5, CXCL5/ENA-78, Cytokine LIX, ENA-78, Neutrophil-activating peptide ENA-78, neutrophil-activating protein 78, SCYB5ENA78, Small-inducible Cytokine B5
Accession	P50228
GeneID	20311
Source	E.coli-derived mouse LIX/CXCL5 protein, Ala41-Gln132.
Molecular Weight	Approximately 9.8 kDa.
AA Sequence	APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPQCP TVEVIAKLKN QKEVCLDPEA PVIKKIIQKI LGSDDKKKAKR NALAVERTAS VQ
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>97% by SDS-PAGE and HPLC analyses.
Biological Activity	The biological activity determined by a chemotaxis bioassay using human peripheral blood neutrophils is in a concentration of 10-100 ng/ml. Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!