

Animal-Free LIX/CXCL5 Protein, Mouse (His)

Cat. No.:	HY-P700173AF
Synonyms:	rMuLIX/CXCL5, 74a.a.; LIX; C-X-C motif chemokine 5; SCYB5
Species:	Mouse
Source:	E. coli
Accession:	P50228 (V45-A118)
Gene ID:	20311
Molecular Weight:	Approximately 8.92 kDa

PROPERTIES

AA Sequence	V I A A T E L R C V C L T V T P K I N P K L I A N L E V I P A G P Q C P T V E V I A K L K N Q K E V C L D P E A P V I K K I I Q K I L G S D K K K A
Biological Activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED ₅₀ for this effect is <100 ng/mL
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The LIX/CXCL5 protein is implicated in potentially participating in the recruitment of inflammatory cells to injured or infected tissue, suggesting its role in the immune response. Both GCP-2(1-78) and the more potent GCP-2(9-78) variants of this protein play a role in attracting neutrophils and are involved in the activation of these immune cells. Structurally, the protein exists as a monomer and can also form homodimers, underscoring its versatility and potential for molecular interactions. The ability of LIX/CXCL5 to attract and activate neutrophils highlights its significance in orchestrating immune responses and cellular processes associated with inflammation.
-------------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA