

Human CXCL5 Protein

Cat. No. CXL-HM205



Description	
Source	Recombinant Human CXCL5 Protein is expressed from HEK293 with hFc (IgG1) tag at the N-terminus. It contains Ala37-Asn114.
Accession	P42830
Molecular Weight	The protein has a predicted MW of 34.30 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
C-X-C motif chemokine ligand 5 (CXCL5), also known as epithelial neutrophil-activating peptide 78 (ENA-78), is a pivotal member of the ELR+ CXC chemokine family, characterized by a conserved glutamic acid-leucine-arginine motif. CXCL5 plays a central regulatory role in shaping the tumor immune microenvironment (TIME). Its expression is regulated by transcription factors (NF-κB, STAT3, SP1, p53), epigenetic modifications (DNA methylation, histone acetylation, microRNAs), and cytokines/growth factors (IL-1β, TNF, EGF).	

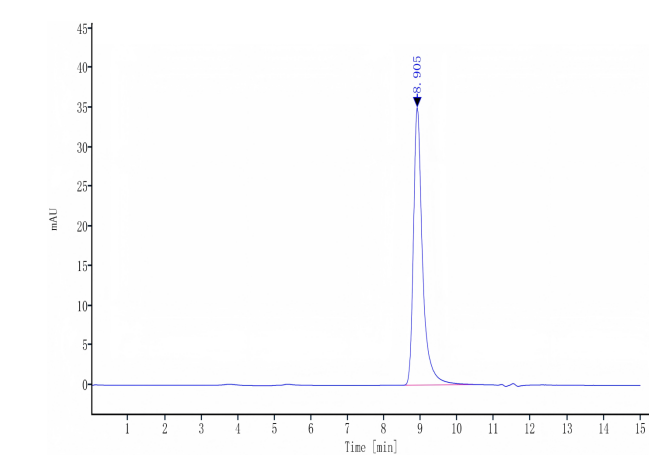
Assay Data

Bis-Tris PAGE



Human CXCL5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CXCL5 is greater than 95% as determined by SEC-HPLC.