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Product datasheet for TP728181S

Recombinant CXCL5 (C-X-C motif chemokine 5), Human

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant CXCL5 (C-X-C motif chemokine 5), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	RELRCVCLQTTQGVHPKMISNLQVFAIGPQCSKVEVVASLKNGKEICLDPEAPFLKKVIQKILDGGNKEN with polyhistidine tag at the N-terminus.
Tag:	His Tag (N-term)
Predicted MW:	The protein has a calculated MW of 8.51 kDa. The protein migrates as 12 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 7.4.
Bioactivity:	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED_{50} for this effect is <10 ng/mL.
Endotoxin:	<0.1 EU per 1 μg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	P42830
Synonyms:	Epithelial Neutrophil Activating Peptide-78, ENA-78

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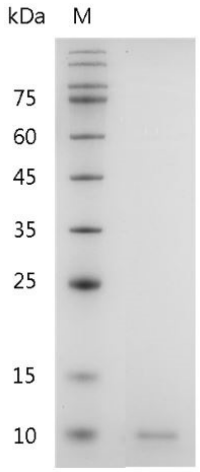
Summary: C-X-C motif chemokine 5 (CXCL5) also named epithelial-derived neutrophil-activating peptide 78 (ENA-78), which is a chemokine of the intercrine alpha family. CXCL5 is a 8kDa protein containing 70 amino acid residues. CXCL5 is stimulated by the IL-1 or TNFα during inflammation which produced by the eosinophils and CXCL5 is inhibited by the IFNγ. CXCL5 promotes the formation of blood vessels and angiogenesis by binding the cell receptor CXCR2.

Product images:



SDS- PAGE analysis of recombinant human CXCL5