

CXCL5/ENA-78, Human, Recombinant

Cat. No. : PCK127

General Information

Synonyms	Epithelial Neutrophil Activating Peptide-78;ENA-78
Species	Human
Expression host	E.coli
Sequence	RELRCVCLQTTQGVHPKMISNLQVFAIGPQCSKVEVVASLKNNGKEICLDPEAPFLKKVIQKILDG GNKEN with polyhistidine tag at the N-terminus.
Accession	P42830
Tag	His-tag at the N-terminus
Mol mass	8.51 kDa
Expiration date	12 months
Bio activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED50 for this effect is < 10 ng/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°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 -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

The protein encoded by this gene, Chemokine (C-X-C motif) ligand 5 (CXCL5), is a small cytokine belonging to the CXC chemokine family that is also known as epithelial-derived neutrophil-activating peptide 78 (ENA-78). This chemokine is produced concomitantly with interleukin-8 (IL8) in response to stimulation with either interleukin-1 (IL1) or tumor necrosis factor-alpha (TNFA). It is observed that, CXCL5 also expresses in eosinophils, and can interact with the type II interferon IFN-α, thereby cause an inhibition. This chemokine stimulates the chemotaxis of neutrophils possesses angiogenic properties, and elicits these effects by interacting with the cell surface chemokine receptor CXCR2.