

Datasheet for ABIN987804 **CXCL5 Protein (AA 5-78)**



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Overview

Quantity:	20 µg
Target:	CXCL5
Protein Characteristics:	AA 5-78
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	AAVLRELRCV CLQTTQGVHP KMISNLQVFA IGQCCKVEV VASLKNGKEI CLDPEAPFLK KVIQKILDGG NKE
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human peripheral blood neutrophils is less than 10 ng/ml, corresponding to a specific activity of $>, 1.0 \times 10^5$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuENA-78/CXCL5 as determined by LAL method

Target Details

Target:	CXCL5
Alternative Name:	ENA-78/CXCL5 (CXCL5 Products)
Background:	Epithelial cell-derived neutrophil-activating peptide 78 (ENA-78) is a member of the CXC

Target Details

subfamily of chemokines that has the Glu-Leu-Arg (ELR) motif preceding the CXC motif. Similar to other ELR containing CXC chemokines, ENA-78 is a potent neutrophil chemoattractant and activator. Proteolysis of ENA-78 with cathepsin G and chymotrypsin have yielded N-terminally truncated variants with increased biological activities. ENA-70 and ENA-74 represent truncated recombinant ENA-78 variants missing 8 and 4 aa residues, respectively, from the N-terminus. Recombinant ENA-70 and ENA-74 have been shown to have increased potency in neutrophil chemotaxis and myeloperoxidase and elastase release assays. Synonym: ENA-78/CXCL5 (5-78a.a.), Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 50mM NaCl.

Molecular Weight: 8.0 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.

Pathways: [Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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.

Storage: 4 °C