



Recombinant Human ENA-78 (5-78aa)/ (CXCL5)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-011S
Size:	5 µg
Lot. No.:	According to product label

Sequence

AAVLRRLRCV CLQTTQGVHP KMISNLQVFA IGPQCSKVEV
VASLKNKKEI CLDPEAPFLK KVIQKILDGG NKEN

Database References

Protein RefSeq:	NP_002985.1
Uniprot ID:	P42830
mRNA RefSeq:	NM_002994.3

Scientific Background

Gene-ID (NCBI):	6374
Synonyms:	CXCL5; SCYB5; ENA-78

ENA-78 is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells. ENA-78 is a chemoattractant for neutrophils. The three naturally occurring variants of human ENA-78; ENA 5-78, ENA 9-78 and ENA 10-78, contain 74, 70, and 69 amino acid residues, respectively, and possess the same biological activity. ENA-78 contains the four conserved cysteine residues present in CXC chemokines, and also contains the 'ELR' motif common to CXC chemokine that bind to the CXCR1 and CXCR2 receptors. Recombinant human ENA-78 is an 8.0 kDa protein consisting of 74 amino acid residues.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	74
MW:	8.0 kDa

Biological Activity: Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration of 5.0-10.0 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!