ENA-78 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Epithelial Neutrophil Activating Peptide-78, CXCL5

Cat. No.:

RBG10119005	(5 µg)
RBG10119020	(20 µg)
RBG10119100	(100 µg)

Description

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. Three N-terminal truncated variants of human ENA-78; ENA 5-78, ENA 8-78, ENA 9-78, contain 74, 71, and 70 amino acid residues, respectively, possess increased 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 a 7.8 kDa protein consisting of 71 amino acid residues.

Research topic

Cardiovascular disease, Chemokines, Coronary artery disease, Cytokines and chemokines and related molecules

Amino Acid Sequence

`LRELRCVCLQ TTQGVHPKMI SNLQVFAIGP QCSKVEVVAS LKNGKEICLD PEAPFLKKVI QKILDGGNKE N`

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-100.0 ng/ml.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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