

## GFH185 Recombinant Human ENA-78 / CXCL5

## Description

Epithelial-derived neutrophil-activating peptide 78 (ENA-78), also known as CXCL5, is a chemokine that recruits neutrophils, promotes angiogenesis, and stimulates connective tissue remodelling. ENA-78 production is stimulated by Interleukin-1 (IL-1) or tumor Necrosis Factor  $\alpha$  (TNF- $\alpha$ ), and signals through the chemokine receptor CXCR2. ENA-78 with 5 - 78 aminoacids is one of three naturally occurring ENA-78 variants in which the N-terminus has been truncated.

<b>Length</b>	74 aa
<b>Molecular Weight</b>	8.1 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	P42830
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

## Specifications

<b>Alternative Names</b>	CXCL5, epithelial-derived neutrophil-activating protein 78, ENA78, ENA 78
<b>Biological Activity</b>	Human ENA-78 is fully biologically active when compared to standard. The activity is determined by the ability to induce chemotaxis of primary human neutrophils starting at a concentration of 10 ng/ml. This corresponds to an expected specific activity of $1 \times 10^5$ units/mg. There is no data currently available.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>AA Sequence</b>	AAVLRELRCV CLQTTQGVHP KMISNLQVFA IGPQCSKVEV VASLKNGKEI CLDPEAPFLK KVIQKILDGG NKEN

## Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.