

Animal-Free ENA-78/CXCL5 Protein, Human (His)

Cat. No.:	HY-P700047AF
Synonyms:	ENA-78/CXCL5; ENA78; SCYB5
Species:	Human
Source:	E. coli
Accession:	P42830 (R45-N114)
Gene ID:	6374
Molecular Weight:	Approximately 8.51 kDa

PROPERTIES

AA Sequence	R E L R C V C L Q T T Q G V H P K M I S N L Q V F A I G P Q C S K V E V V A S L K N G K E I C L D P E A P F L K K V I Q K I L D G G N K E N
Biological Activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED ₅₀ for this effect is <10 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The CXCL5 protein plays a pivotal role in neutrophil activation, exhibiting heightened chemotactic activity for neutrophil granulocytes in vitro, particularly with its ENA-78(8-78) and ENA-78(9-78) isoforms displaying a threefold increase in chemotactic potency. Structurally, CXCL5 exists both as a monomer and a homodimer, emphasizing its versatility in molecular configurations. This dual nature suggests its capacity to engage in distinct interactions and functional activities related to neutrophil activation, highlighting CXCL5's crucial role in immune response modulation.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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