

## ENA-78/CXCL5

Catalog # PVGS1388

## **Product Information**

Primary Accession P42830 Species Human

Sequence Ala41-Asn114

**Purity** > 95% as analyzed by SDS-PAGE

**Endotoxin Level** 

**Biological Activity** The EC<sub>50</sub> value of human ENA-78/CXCL5 (5-78a.a.) on Ca<sup>2+</sup> mobilization assay

in CHO-K1/ Gα15/hCXCR2 cells (human Gα15 and human CXCR2 stably

expressed in CHO-K1 cells) is less than 50.0 ng/ml.

**Expression System** E. coli

**Formulation** Lyophilized after extensive dialysis against PBS.

**Reconstitution** It is recommended that this vial be briefly centrifuged prior to opening to

bring the contents to the bottom. Reconstitute the lyophilized powder in

ddH<sub>2</sub>O or PBS up to 100 □g/ml.

**Storage & Stability** Upon receiving, this product remains stable for up to 6 months at lower than

-70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw

cycles.

## **Additional Information**

Gene ID 6374

Other Names C-X-C motif chemokine 5, ENA-78(1-78), Epithelial-derived

neutrophil-activating protein 78, Neutrophil-activating peptide ENA-78, Small-inducible cytokine B5, ENA-78(8-78), ENA-78(9-78), CXCL5, ENA78,

SCYB5

**Target Background** Epithelial cellderived neutrophilactivating peptide (ENA78) also known as

C-X-C motif chemokine 5(CXCL5), is a small cytokine belonging to the CXC chemokine family. It is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. Expression of CXCL5 has also been observed in eosinophils, and can be inhibited with the type II interferon, IFN-y. This chemokine stimulates the chemotaxis of neutrophils possessing angiogenic properties. Full length CXCL5 (78 aa) is trimmed at the Nterminal end by cathepsin G and

chymotrypsin to ENA-74 (74 aa) and ENA-70 (70aa), with the shortened forms showing increased potency relative to full length CXCL5. CXCL5can signal

## **Protein Information**

Name CXCL5

**Synonyms** ENA78, SCYB5

**Function** Involved in neutrophil activation. In vitro, ENA-78(8-78) and ENA-78(9-78)

show a threefold higher chemotactic activity for neutrophil granulocytes.

**Cellular Location** Secreted.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.