



# Recombinant Protein Technical Manual

## Recombinant Human CXCL5 Protein

RPES1386

### Product Data:

**Product SKU:** RPES1386

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P42830

### Protein Information:

**Molecular Mass:** 8.0 kDa

**AP Molecular Mass:** 12 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, pH 6.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** 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

## Immunogen Information:

**Sequence:** Leu44-Asn114

## Background:

C-X-C Motif Chemokine 5 (CXCL5) is a member of the InterCRine Alpha (Chemokine CXC) family. CXCL5 can be cleaved into the following two chains, ENA-78 (8-78) and ENA-78 (9-78). In vitro, ENA-78(8-78) and ENA-78 (9-78) show a threefold higher chemotactic activity for neutrophil granulocytes. CXCL5 is a secreted protein and exercises the functions primarily through interactions with CXCR2. The upregulation of CXCL5 contributes to increased vascularization, tumor growth, and metastasis in many cancers.