

# Mouse ENA 78 Recombinant Protein



RPPB1119

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## Product Information    Protein Information

**Product SKU:**

RPPB1119

**Accession:**

P50228

**Host:**

Escherichia Coli.

**Protein description:**

Epithelial Neutrophil-Activating Protein 78 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 93 amino acids and having a molecular mass of 9.8kDa. The CXCL5 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

C-X-C motif chemokine 5, Small-inducible cytokine B5, Cytokine LIX, Cxcl5, Scyb5, LIX, GCP-2, Scyb6, ENA-78, AMCF-II.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM sodium phosphate buffer, pH 7.4 & 150mM NaCl.

**Purity:**

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized ENA-78 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized ENA-78 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL5 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPQCP TVEVIAKLKN QKEVCLDPEA PVIKKIIIQK ILGSDKKKAK RNALAVERTA SVQ.

**Biological Activity:**

Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.