Human ENA 78 Recombinant Protein

RPPB1118

Product Information

Product SKU:
RPPB1118

Accession:
P42830

Host:
Escherichia Coli.

Protein Information

Protein description:
Epithelial Neutrophil-Activating Protein 78 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 74 amino acids and having a molecular mass of 8020 Dalton. The CXCL5 is purified by proprietary chromatographic techniques.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:
Small inducible cytokine B5, CXCL5, Epithelial-derived neutrophil-activating protein 78, Neutrophil-activating peptide ENA-78, ENA-78(1-78), chemokine (C-X-C motif) ligand 5, SCYB5.

Formulation:
The CXCL5 was lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

Purity:
Greater than 95.0% 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 H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:
Lyophilized ENA78 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:
The sequence of the first five N-terminal amino acids was determined and was found to be, Ala- Ala -Val-Leu-Arg.

Biological Activity:
The biological activity was determined by measuring the dose dependent mobilization of intracellular calcium (calcium flux) with human neutrophils. Significant calcium mobilization is observed with 100ng/mL (corresponding to a Specific Activity of 10,000IU/mg) of recombinant human ENA-78.