

Epithelial Neutrophil-Activating Protein 78 Rat Recombinant (CXCL5)

Item Number	rAP-0131
Synonyms	C-X-C motif chemokine 5, Small-inducible cytokine B5, Cytokine LIX, Cxcl5, Scyb5, LIX, GCP-2, Scyb6, ENA-78, AMCF-II.
Description	Epithelial Neutrophil-Activating Protein 78 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 93 amino acids and having a molecular mass of 10.0kDa. The CXCL5 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P97885
Amino Acid Sequence	APFSAMVATE LRCVCLTLAP RINPKMIANL EVIPAGPHCP KVEVIAKLKN QKDNVCLDPQ APLIKKVIQK ILGSENKGTK RNALALVRSA STQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 1×PBS, pH 7.4. Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized ENA-78 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 10.0-100.0 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**