

## Recombinant Human Epithelial neutrophil-activating protein 78 (CXCL5)

<b>Alternate names:</b>	CXCL5, ENA78, LIX
<b>Catalog No.:</b>	PA1142XC
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1 mg/ml
<b>Species:</b>	Human
<b>Source:</b>	E. coli, E.coli
<b>Format:</b>	<b>State:</b> Sterile Filtered White lyophilized (freeze-dried) powder. <b>Purity:</b> >98% Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. <b>Buffer System:</b> Lyophilized from a concentrated solution in water containing no additives. <b>Endotoxin Level:</b> Less than 0.1 ng/μg (IEU/μg) of Recombinant Human Epithelial neutrophil-activating protein 78. <b>Dimers:</b> Less than 1% as determined by silver-stained SDS-PAGE gel analysis. <b>Reconstitution:</b> 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.
<b>Description:</b>	Recombinant Human ENA-78 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 74 amino acids. Recombinant Human ENA-78 is purified by proprietary chromatographic techniques. <b>AA Sequence:</b> The sequence of the first five N-terminal amino acids was determined and was found to be, Ala- Ala -Val-Leu-Arg. <b>Biological Activity:</b> 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 of recombinant human ENA-78. The optimal concentration for each specific application should be determined by an initial dose-response assay. Molecular weight: 8020 Dalton <b>Molecular weight:</b> 8 kDa
<b>Add. Information:</b>	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm . 2. Analysis by RP-HPLC, using a calibrated solution of ENA-78 as a Reference Standard.

