

Recombinant Human Epithelial Neutrophil Activating Peptide-78, 8-78 a.a./CXCL5

Information

Gene ID	6374
Accession #	P42830
Alternate Names	CXCL5, Small-inducible cytokine B5
Source	Escherichia coli.
M.Wt	Approximately 7.8 kDa, a single non-glycosylated polypeptide chain containing 71 amino acids.
AA Sequence	LRELRCVCLQ TTQGVHPKMI SNLQVFAIGP QCSKVEVVAS LKNGKEICLD PEAPFLKKVI QKILDGGNKE N
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 2 × PBS, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood neutrophils is in a concentration of 5.0-10.0 ng/ml.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	5μg	100μg	500μg
Recombinant Human Epithelial Neutrophil Activating Peptide-78, 8-78 a.a./CXCL5	5μg	100μg	500μg

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- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 3 months, -20 to -70 °C under sterile conditions after reconstitution

Quality Control

Purity	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/ μ g of rHuENA-78, 8 - 78 a.a./CXCL5 as determined by LAL method.

Description

CXCL5 是 CXC 趋化因子家族的成员，也称为上皮来源的中性粒细胞活化肽 78（ENA-78）。它是在用炎症细胞因子白细胞介素-1 或肿瘤坏死因子- α 刺激细胞后产生的。在体外，ENA-78（8-78）和 ENA-78（9-78）对中性粒细胞的趋化活性高出三倍。它们由外周血单核细胞分泌后蛋白水解裂解产生。重组人 CXCL5（8-78 a.a.）含有 71 个氨基酸，是一条非糖基化的多肽链。人 CXCL5 与小鼠和大鼠 CXCL5 具有 57% 的氨基酸序列同一性。

Reference

1. Chang MS, McNinch J, Basu R, et al. 1994. J Biol Chem. 269:25277-82
2. O'Donovan N, Galvin M, Morgan JG. 1999. Cytogenet Cell Genet. 84:39-42
3. Persson T, Monsef N, Andersson P, et al. 2003. Clin Exp Allergy. 33:531-7
4. Wuyts A, Govaerts C, Struyf S, et al. 1999. Eur J Biochem. 260:421-9.

APExBIO Technology
www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com

