

Product Datasheet

Recombinant Human Defensin beta 1 Protein NBP2-34906-5ug

Unit Size: 5ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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NBP2-34906-5ug

Recombinant Human Defensin beta 1 Protein

Product Information

Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM PB, pH 7.4, 130 mM NaCl.
Target Molecular Weight	5.1 kDa

Product Description

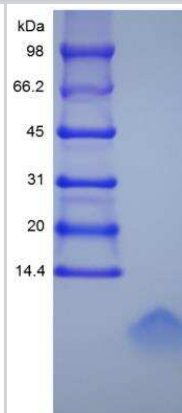
Description	<p>A single non-glycosylated polypeptide chain containing 47 amino acids corresponding to Defensin beta 1 Source: <i>E. coli</i></p> <p>Uniprot ID: P60022</p> <p>Amino Acid Sequence: GNFLTGLGHR SDHYNCVSSG GQCLYSACPI FTKIQGTCYR GKAKCCK</p>
Gene ID	1672
Gene Symbol	DEFB1
Species	Human
Details of Functionality	Defensin beta 1 protein is fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using CD34+ dendritic cells is in a concentration range of 100.0-1000.0 ng/ml.
Endotoxin Note	Less than 1 EU/ug of Defensin beta 1 as determined by LAL method.

Product Application Details

Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Human Defensin beta 1 47 a.a. Protein [NBP2-34906]



Publications

Tianqi Zheng, Yajun Wang, Zheng Zhou, Shuyang Chen, Jinjun Jiang, Shujing Chen PM2.5 Causes Increased Bacterial Invasion by Affecting HBD1 Expression in the Lung Journal of Immunology Research 2024-01-01 [PMID: 38314088]





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Products Related to NBP2-34906-5ug

NBP2-35236-5ug	Recombinant Rat Defensin beta 1 Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP2-67933	Human Defensin beta 1 ELISA Kit (Colorimetric)
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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