

Product Datasheet

Recombinant Rat EGF Protein NBP2-35293-100ug

Unit Size: 100 ug

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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NBP2-35293-100ug

Recombinant Rat EGF Protein

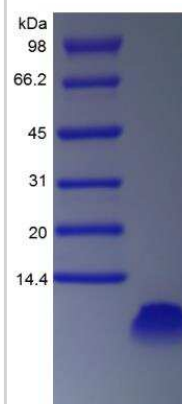
Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge 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	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.4.
Target Molecular Weight	6.1 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 53 amino acids corresponding to EGF, including 3 intramolecular disulfide-bonds Source: <i>E. coli</i> Uniprot ID: <i>P07522</i> Amino Acid Sequence: <i>NSNTGCPPSY DGYCLNGGVC MYVESVDRYV CNCVIGYIGE RCQHRDLRWW KLR</i>
Gene ID	1950
Gene Symbol	EGF
Species	Rat
Details of Functionality	EGF protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 0.1 ng/ml, corresponding to a specific activity of > 1.0 x 10 ⁷ IU/mg
Endotoxin Note	Less than 1 EU/ug of EGF as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Rat EGF Protein [NBP2-35293]



Publications

Qingjie Wang, Leijun Huo, Jinlong He, Wenshuang Ding. Soluble epoxide hydrolase is involved in the development of atherosclerosis and arterial neointima formation by regulating smooth muscle cell migration. *Am J Physiol Heart Circ Physiol* 2015-12-01 [PMID: 26453326]

Feifei Liu, Aiguo Xuan, Yan Chen, Jundu Zhang. Combined effect of nerve growth factor and brain-derived neurotrophic factor on neuronal differentiation of neural stem cells and the potential molecular mechanisms. *Mol Med Rep* 2014-10-01 [PMID: 25051506]

Wang Y, Shen X, Liao W et al. A heteropolysaccharide, L-fuco-D-manno-1,6-a-D-galactan extracted from *Grifola frondosa* and antiangiogenic activity of its sulfated derivative. *Carbohydr Polym* 2014-01-30 [PMID: 24299820]





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Products Related to NBP2-35293-100ug

NBP2-34952-100ug	Recombinant Human EGF Protein
210-TA-005	TNF-alpha [Unconjugated]
236-EG-200	EGF [Unconjugated]
DVE00	VEGF [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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