

# Product Datasheet

## Recombinant Human EGF Protein NBP2-34952-500ug

Unit Size: 500ug

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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**NBP2-34952-500ug****Recombinant Human EGF Protein****Product Information**

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<b>Concentration</b>	Lyoph
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<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	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.
<b>Purity</b>	>95%, by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
<b>Target Molecular Weight</b>	6.2 kDa

**Product Description**

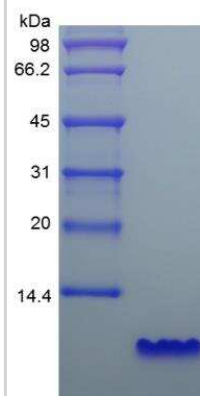
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 53 amino acids corresponding to EGF <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P01133</p> <p><b>Amino Acid Sequence:</b> NSDSECPLSH DGYCLHDGVC MYIEALDKYA CNCVVG YIGE RCQYRDLKWW ELR</p>
<b>Gene ID</b>	1950
<b>Gene Symbol</b>	EGF
<b>Species</b>	Human
<b>Details of Functionality</b>	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 1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg.
<b>Endotoxin Note</b>	Less than 1 EU/ug of EGF as determined by LAL method.

**Product Application Details**

<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity

**Images**

SDS-Page: Human EGF Protein [NBP2-34952]



## Publications

Lovric A, Rassolie A, Alam S et al. Single-cell sequencing deconvolutes cellular responses to exercise in human skeletal muscle *Communications biology* 2022-10-22 [PMID: 36273106]

Pan J, Sheng S, Ye L et al. Extracellular vesicles derived from glioblastoma promote proliferation and migration of neural progenitor cells via PI3K-Akt pathway *Cell communication and signaling : CCS* 2022-01-12 [PMID: 35022057]

Xu C, Sun W, Liu J Et al. MiR-342-3p inhibits LCSC oncogenicity and cell stemness through HDAC7/PTEN axis *Inflammation research : official journal of the European Histamine Research Society ... [et al.]* 2021-11-29 [PMID: 34842937]

Freed-Pastor WA, Lambert LJ, Ely ZA Et al. The CD155/TIGIT axis promotes and maintains immune evasion in neoantigen-expressing pancreatic cancer *Cancer cell* 2021-07-27 [PMID: 34358448]

Robilliard LD, Yu J, Anchan A et al. Comprehensive analysis of inhibitory checkpoint ligand expression by Glioblastoma cells *Immunol Cell Biol* 2020-11-20 [PMID: 33217047]

Hong Qiu, Bo Yang, Zhi-Chao Pei, et al. WSS25 Inhibits Growth of Xenografted Hepatocellular Cancer Cells in Nude Mice by Disrupting Angiogenesis via Blocking Bone Morphogenetic Protein (BMP)/Smad/Id1 Signaling. *J Biol Chem* 2010-10-15 [PMID: 20679340]

Han L, Yan L, Wang K et al. Tough, self-healable and tissue-adhesive hydrogel with tunable multifunctionality. *NPG Asia Materials* 2017-04-14

Xiaokun Shen, Jianping Fang, Xiaofen Lv et al. Heparin Impairs Angiogenesis through Inhibition of MicroRNA-10b. *J Biol Chem* 2011-07-29 [PMID: 21642433]

Wucheng Wang, Huanjun Chen, Lei Zhang et al. A fucoidan from *Nemacystus decipiens* disrupts angiogenesis through targeting bone morphogenetic protein 4. *Carbohydr Polym* 2016-06-25 [PMID: 27083822]

Yan Luan, Dafei Chai, Jianjian Peng et al. A fully human monoclonal antibody targeting PD-L1 with potent anti-tumor activity. *Int Immunopharmacol* 2016-02-01 [PMID: 26773772]

Xia Chen, Fei Xiao, Ying Wang et al. Structure-activity relationship study of WSS25 derivatives with anti-angiogenesis effects. *Glycoconj J* 2012-08-01 [PMID: 22847113]

Yuxia Xu, Qun Dong, Hong Qiu et al. A homogalacturonan from the radix of *Platycodon grandiflorum* and the anti-angiogenesis activity of poly-/oligogalacturonic acids derived therefrom. *Carbohydr Res* 2011-09-27 [PMID: 21700274]

More publications at <http://www.novusbio.com/NBP2-34952>





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