

Datasheet for ABIN7505501 EGF Protein (AA 22-154) (His tag)



Overview

Overview	
Quantity:	100 µg
Target:	EGF
Protein Characteristics:	AA 22-154
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGF protein is labelled with His tag.

Product Details

Sequence:	Gln 22-Leu 154
Characteristics:	A DNA sequence encoding the Rat Epidermal Growth Factor/EGF protein (P07522) (Gln 22-Leu 154) was expressed with N-His&C-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	EGF
Alternative Name:	Epidermal Growth Factor (EGF Products)
Background:	Abbreviation: EGF
	Target Synonym: Pro-Epidermal Growth Factor,EGF,Epidermal Growth Factor,Urogastrone
	Background: EGF is the founding member of the EGF-family of proteins. Members of this
	protein family have highly similar structural and functional characteristics. EGF contains 9 EGF-

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Restrictions:	For Research Use only
Application Details	
	Thromboxane A2 Receptor Signaling, EGFR Downregulation
	Hepatitis C, Protein targeting to Nucleus, Interaction of EGFR with phospholipase C-gamma,
r aanways.	Pathway, Neurotrophin Signaling Pathway, Regulation of Carbohydrate Metabolic Process,
Pathways:	NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling
UniProt:	P07522
	Observed MW: 16 kDa
Molecular Weight:	Calculated MW: 14.52 kDa
	ultimately lead to DNA synthesis and cell proliferation.
	synthesis, and increases in the expression of certain genes including the gene for EGFR - that
	changes within the cell - a rise in intracellular calcium levels, increased glycolysis and protein
	activity, in turn, initiates a signal transduction cascade that results in a variety of biochemical
	stimulating the intrinsic protein-tyrosine kinase activity of the receptor. The tyrosine kinase
	by binding with high affinity to epidermal growth factor receptor on the cell surface and
	physiological role in the maintenance of oro-esophageal and gastric tissue integrity. EGF acts
	Salivary EGF, which seems also regulated by dietary inorganic iodine, also plays an important
	some fibroblasts in cell culture. It results in cellular proliferation, differentiation, and survival.
	that stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of
	found in human platelets, macrophages, urine, saliva, milk, and plasma. EGF is a growth factor
	found in many human tissues including submandibular gland, parotid gland. It can also be
	polypeptide, EGF was first purified from the mouse submandibular gland, but since then it was
	amino acid residues and three intramolecular disulfide bonds. As a low-molecular-weight
	like domains and 9 LDL-receptor class B repeats. Human EGF is a 645-Da protein with 53

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN7505501 | 07/24/2024 | Copyright antibodies-online. All rights reserved. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date:

12 months