antibodies.com

Datasheet for ABIN7274525 EGF Protein (AA 971-1023) (Fc Tag)

3 Images



Overview

Quantity:	100 µg
Target:	EGF
Protein Characteristics:	AA 971-1023
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGF protein is labelled with Fc Tag.

Product Details

Purpose:	Human EGF Protein
Sequence:	Asn971-Arg1023
Characteristics:	Recombinant Human EGF Protein is expressed from HEK293 with hFc tag at the N-Terminus.It contains Asn971-Arg1023.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μ g by the LAL method.
Biological Activity Comment:	The affinity constant of 0.13 μ M as determined in SPR assay (Biacore T200). See testing image for detail.

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 1/3 | Product datasheet for ABIN7274525 | 01/18/2024 | Copyright antibodies-online. All rights reserved.

Target Details

Storage:

Expiry Date:

Storage Comment:

-20 °C,-80 °C

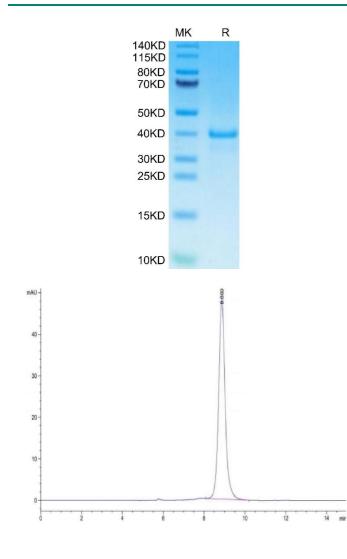
12 months

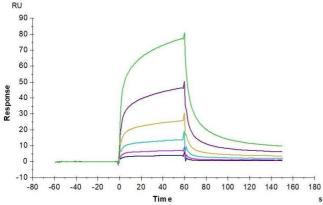
 EGF EGF (EGF Products) The epidermal growth factor (EGF) family of peptides encodes several proteins that can function as growth factors. The EGF-like peptides, with the exception of proteins of the EGF-CFC subfamily, bind and activate tyrosine kinase receptors that belong to the erbB family. 32.52 kDa. Due to glycosylation, the protein migrates to 38-43 kDa based on Tris-Bis PAGE result. NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling
 The epidermal growth factor (EGF) family of peptides encodes several proteins that can function as growth factors. The EGF-like peptides, with the exception of proteins of the EGF-CFC subfamily, bind and activate tyrosine kinase receptors that belong to the erbB family. 32.52 kDa. Due to glycosylation, the protein migrates to 38-43 kDa based on Tris-Bis PAGE result. NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling
 function as growth factors. The EGF-like peptides, with the exception of proteins of the EGF-CFC subfamily, bind and activate tyrosine kinase receptors that belong to the erbB family. 32.52 kDa. Due to glycosylation, the protein migrates to 38-43 kDa based on Tris-Bis PAGE result. NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling
result. NF-kappaB Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling
Pathway, Neurotrophin Signaling Pathway, Regulation of Carbohydrate Metabolic Process, Hepatitis C, Protein targeting to Nucleus, Interaction of EGFR with phospholipase C-gamma, Thromboxane A2 Receptor Signaling, EGFR Downregulation
For Research Use only
Lyophilized
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as

-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after

smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into





SDS-PAGE

Image 1. Human EGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human EGF is greater than 95 % as determined by SEC-HPLC.

Surface Plasmon Resonance

Image 3. Human EGF, hFc Tag captured on CM5 Chip via Protein A can bind Human EGFR, His-Avi Tag with an affinity constant of 0.13 μ M as determined in SPR assay (Biacore T200).

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 3/3 | Product datasheet for ABIN7274525 | 01/18/2024 | Copyright antibodies-online. All rights reserved.