antibodies

Datasheet for ABIN7273805 Amphiregulin Protein (AREG) (AA 100-248) (Fc Tag)





Overview

Quantity:	100 µg
Target:	Amphiregulin (AREG)
Protein Characteristics:	AA 100-248
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Amphiregulin protein is labelled with Fc Tag.

Product Details

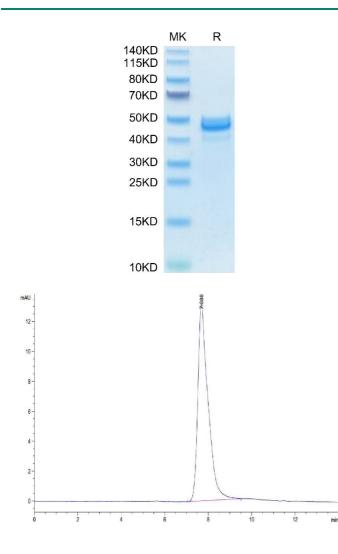
Purpose:	Mouse AREG Protein
Sequence:	Val100-Ala248
Characteristics:	Recombinant Mouse AREG Protein is expressed from HEK293 with hFc tag at the N- Terminus.It contains Val100-Ala248.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Target Details	

Target:	Amphiregulin (AREG)
Alternative Name:	AREG (AREG Products)

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Target Details	
Background:	Amphiregulin (AREG) is a ligand of the epidermal growth factor receptor (EGFR), a widely expressed transmembrane tyrosine kinase. AREG is synthesized as a membrane-anchored precursor protein that can engage in juxtacrine signaling on adjacent cells. Alternatively, after proteolytic processing by cell membrane proteases, mainly TACE/ADAM17, AREG is secreted and behaves as an autocrine or paracrine factor.
Molecular Weight:	38.6 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Tris-Bis PAGE result.
UniProt:	P31955
Pathways:	RTK Signaling, EGFR Signaling Pathway
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

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SDS-PAGE

Image 1. Mouse AREG 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 Mouse AREG is greater than 95 % as determined by SEC-HPLC.

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