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Datasheet for ABIN7504525

SEZ6 Protein (AA 20-925) (Biotin)

Overview

Quantity:	100 µg
Target:	SEZ6
Protein Characteristics:	AA 20-925
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEZ6 protein is labelled with Biotin.

Product Details

Purpose:	Biotinylated Human SEZ6 Protein
Sequence:	Leu20-His925
Characteristics:	Recombinant Biotinylated Human SEZ6 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Leu20-His925.
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:	SEZ6
Alternative Name:	SEZ6 (SEZ6 Products)

Target Details

Background:	Seizure-related protein 6 (Sez6) contributes to chronic pain development as sez6 knockout mice show attenuated pain behaviours after peripheral nerve injury, compared with control mice. The type I transmembrane isoform of Sez6 is cleaved by the β -amyloid precursor protein cleavage enzyme 1 (BACE1), resulting in Sez6 extracellular domain shedding from the neuron surface.
Molecular Weight:	100.7 kDa. Due to glycosylation, the protein migrates to 170-200 kDa based on Tris-Bis PAGE result.
Pathways:	Synaptic Membrane

Application Details

Restrictions:	For Research Use only
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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 0.22 μ m 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