Human SEZ6 Protein

Cat. No. SEZ-HM206

Description

Source	Recombinant Human SEZ6 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Leu20-His925.
Accession	Q53EL9-1
Molecular Weight	The protein has a predicted MW of 124.53 kDa. Due to glycosylation, the protein migrates to 140-200 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

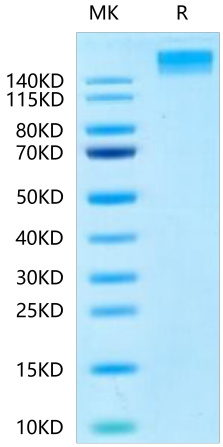
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

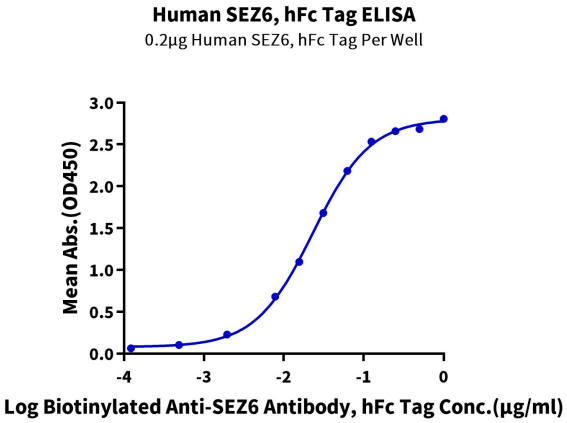
Assay Data

Bis-Tris PAGE



Human SEZ6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Human SEZ6, hFc Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-SEZ6 Antibody, hFc Tag with the EC50 of 23.1ng/ml determined by ELISA (QC Test).