Mouse SEZ6 Protein, Ultra Low Endotoxin

Cat. No. SEZ-MM106-UL

Description

Source	Recombinant Mouse SEZ6 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Leu20-His922.
Accession	Q7TSK2
Molecular Weight	The protein has a predicted MW of 98.8 kDa. Due to glycosylation, the protein migrates to 145-150 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

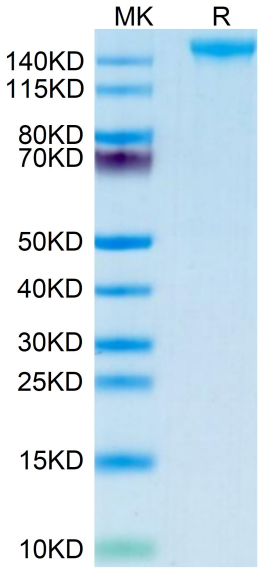
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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



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

SEC-HPLC

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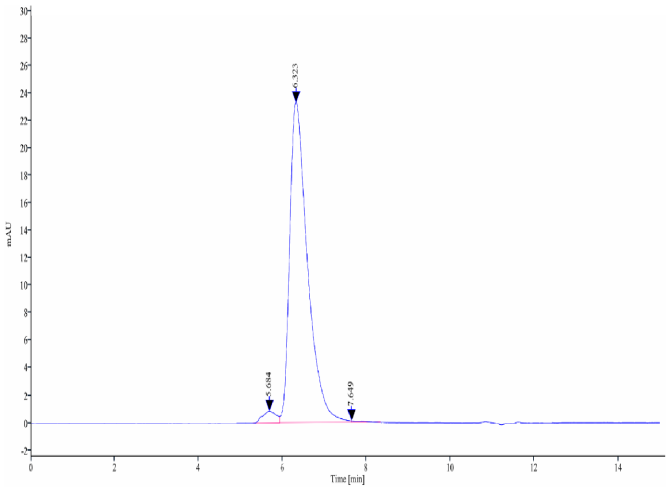
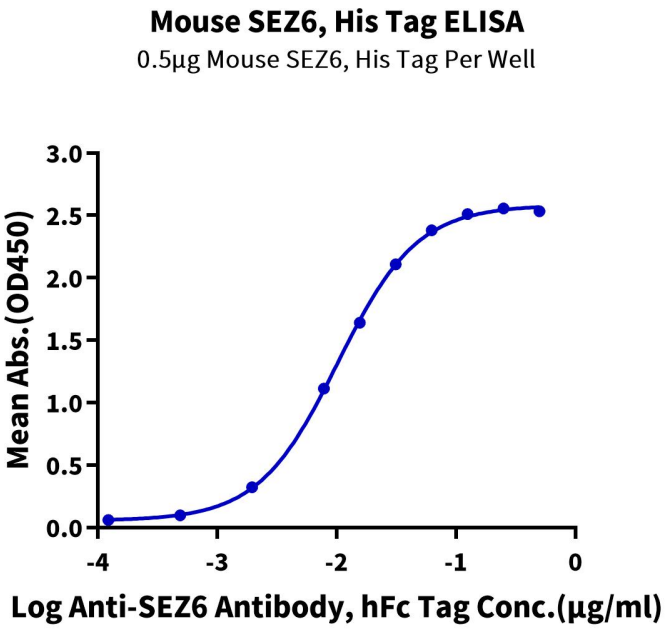


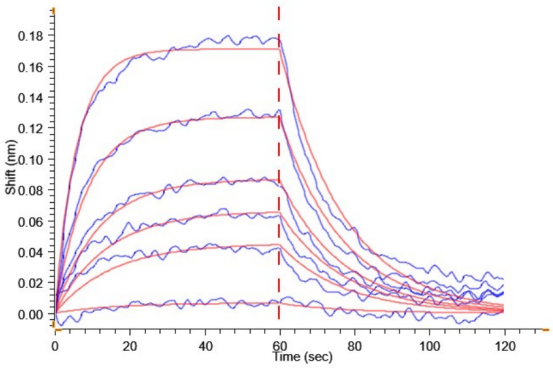
The purity of Mouse SEZ6 is greater than 90% as determined by SEC-HPLC.

ELISA Data



Immobilized Mouse SEZ6, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Anti-SEZ6 Antibody, hFc Tag with the EC50 of 10.2ng/ml determined by ELISA.

BLI Data



Loaded Anti-SEZ6 Antibody, hFc Tag on ProA-Biosensor can bind Mouse SEZ6, His Tag with an affinity constant of 0.21 μM as determined in BLI assay .