

Rat SEZ6 Protein

Cat. No. SEZ-RM106



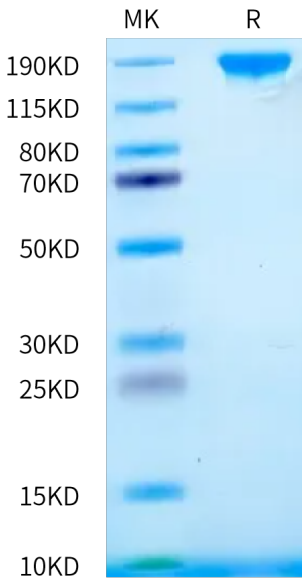
Description	
Source	Recombinant Rat SEZ6 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Leu20-His923.
Accession	F1MA42
Molecular Weight	The protein has a predicted MW of 99.62 kDa. Due to glycosylation, the protein migrates to 170-200 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. 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

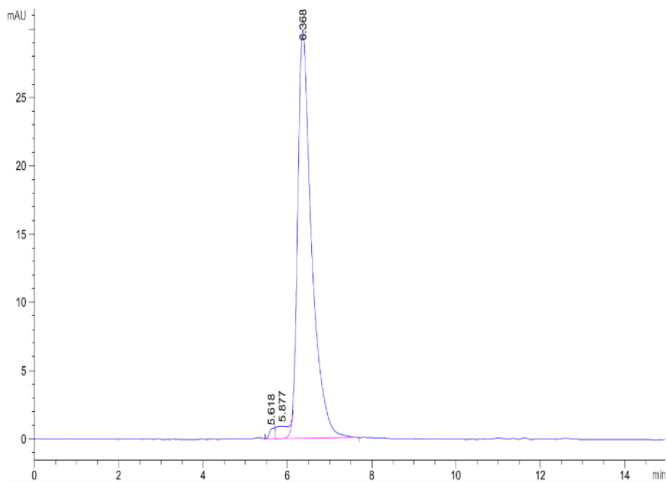
Bis-Tris PAGE



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

SEC-HPLC

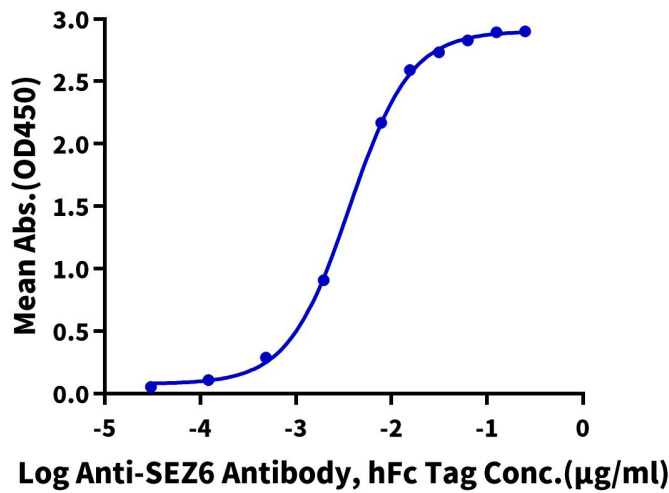
Assay Data



The purity of Rat SEZ6 is greater than 95% as determined by SEC-HPLC.

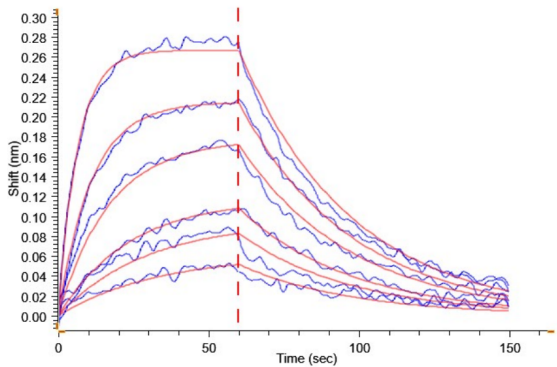
ELISA Data

Rat SEZ6, His Tag ELISA
0.05µg Rat SEZ6, His Tag Per Well



Immobilized Rat SEZ6, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-SEZ6 Antibody, hFc Tag with the EC50 of 3.6ng/ml determined by ELISA (QC Test).

BLI Data



Loaded Anti-SEZ6 Antibody, hFc Tag on ProA-Biosensor can bind Rat SEZ6, His Tag with an affinity constant of 82.60 nM as determined in BLI assay .