Human SEZ6 Protein, Mouse IgG1 Fc Tag (HPLC verified)

Catalog # SE6-H52F3

Synonym

BSRPC

Source

Human SEZ6 Protein, Mouse IgG1 Fc Tag(SE6-H52F3) is expressed from human 293 cells (HEK293). It contains AA Leu 20 - His 925 (Accession # Q53EL9-1).
Predicted N-terminus: Leu 20

Molecular Characterization

SEZ6(Leu 20 - His 925)	mFc(Val 98 - Lys 324)
Q53EL9-1	AAK53870.1

This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 149 kDa. The protein migrates as 200-235 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Formulation

Lyophilized from 0.22 μm filtered solution in 50mM Tris,100 mM Glycine,25 mM Argine,150 mM NaCl, PH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

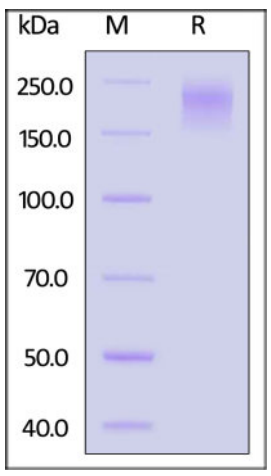
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

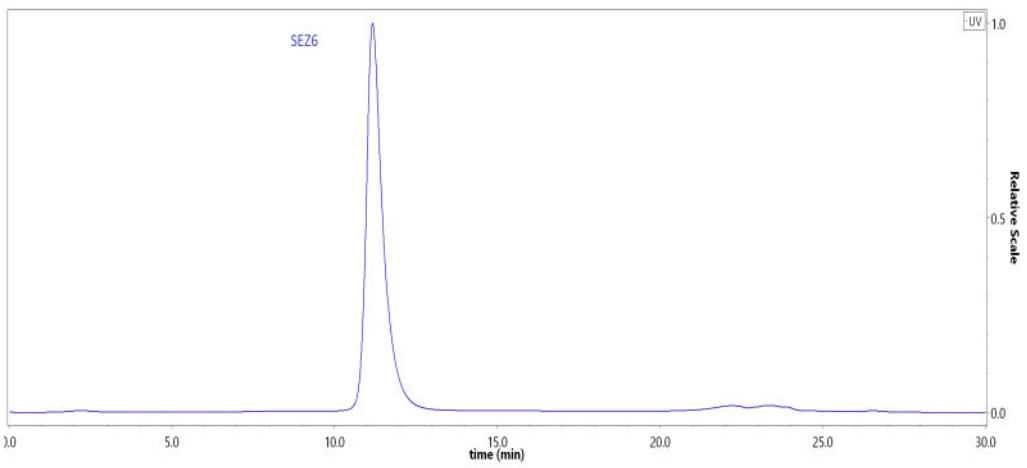
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



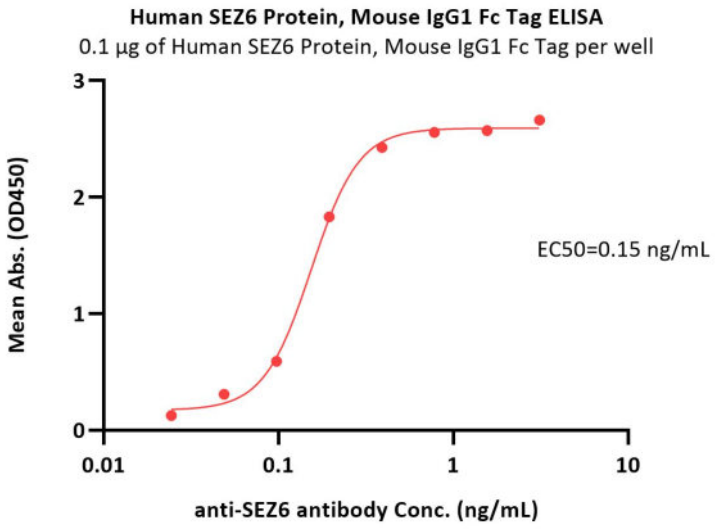
Human SEZ6 Protein, Mouse IgG1 Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-HPLC



The purity of Human SEZ6 Protein, Mouse IgG1 Fc Tag (Cat. No. SE6-H52F3) was greater than 90% as determined by SEC-HPLC.

Bioactivity-ELISA



Immobilized Human SEZ6 Protein, Mouse IgG1 Fc Tag (Cat. No. SE6-H52F3) at 1 μg/mL (100 μL/well) can bind anti-SEZ6 antibody with a linear range of 0.1-1 ng/mL (Routinely tested).

Background

May play a role in cell-cell recognition and in neuronal membrane signaling. Seems to be important for the achievement of the necessary balance between dendrite elongation and branching during the elaboration of a complex dendritic arbor. Involved in the development of appropriate excitatory synaptic connectivity.

Clinical and Translational Updates