

Human SEZ6 Protein, Fc Tag (MALS verified)

Catalog # SE6-H5253



BIOSYSTEMS
Acro

Synonym

BSRPC

Source

Human SEZ6 Protein, Fc Tag (SE6-H5253) is expressed from human 293 cells (HEK293). It contains AA Leu 20 - Ala 414 (Accession # [Q53EL9-1](#)).

Predicted N-terminus: Leu 20

Molecular Characterization

SEZ6(Leu 20 - Ala 414) Q53EL9-1	Fc(Pro 100 - Lys 330) P01857
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[Other Tags and Version Biotin & Other Labeled Version](#)

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 68.4 kDa. The protein migrates as 85-130 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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.

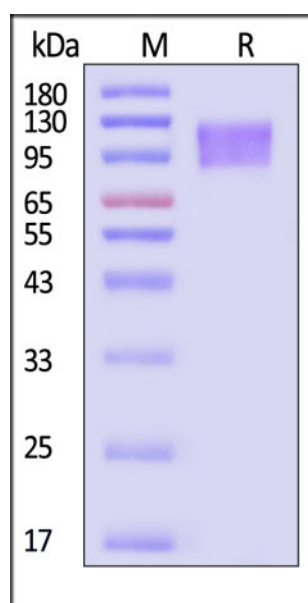
This product is stable after storage at:

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

ACRO Quality Management System

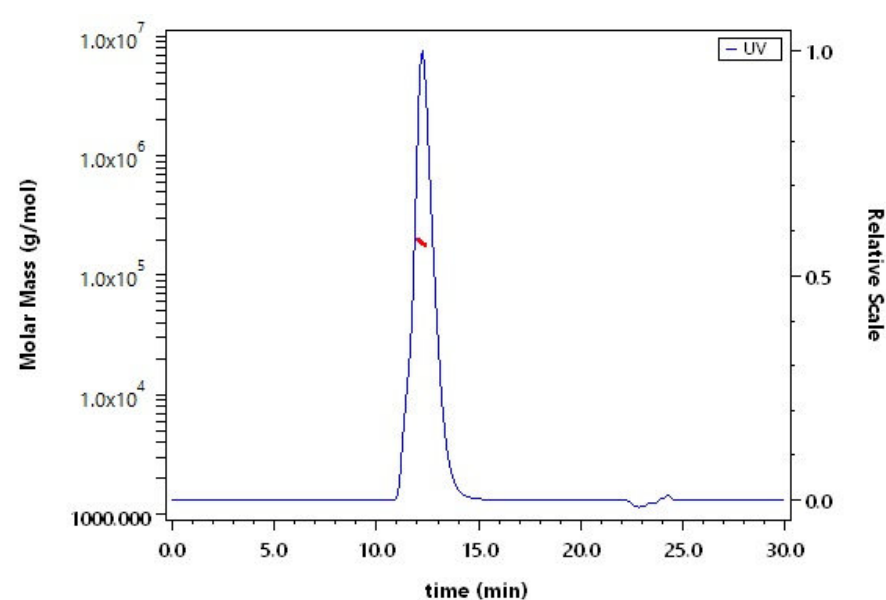
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



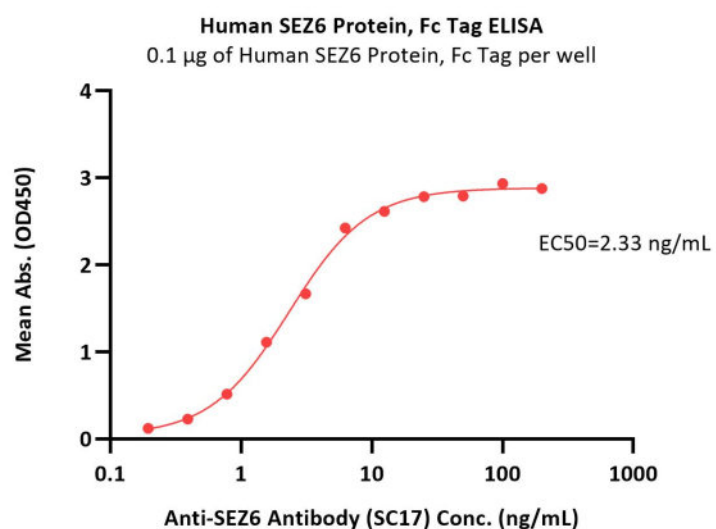
Human SEZ6 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater

SEC-MALS



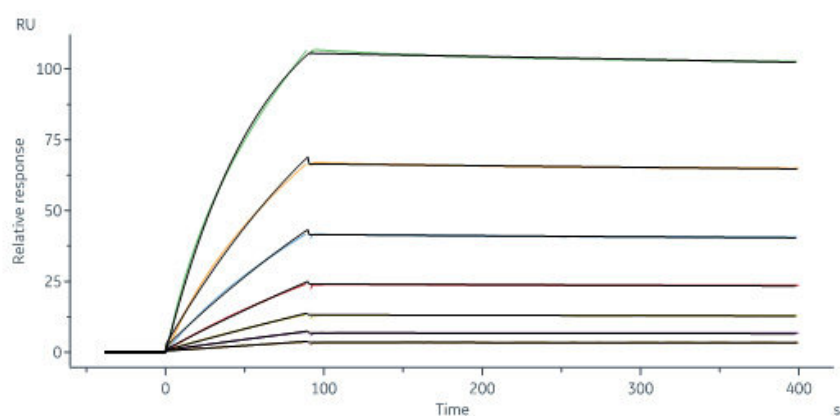
The purity of Human SEZ6 Protein, Fc Tag (Cat. No. SE6-H5253) is more than 85% and the molecular weight of this protein is around 160-195 kDa verified

Bioactivity-ELISA



Immobilized Human SEZ6 Protein, Fc Tag (Cat. No. SE6-H5253) at 1 µg/mL (100 µL/well) can bind Anti-SEZ6 Antibody (SC17) with a linear range of 0.2-6 ng/mL (QC tested).

Bioactivity-SPR



Turmetabart immobilized on CM5 Chip can bind Human SEZ6 Protein, Fc Tag (Cat. No. SE6-H5253) with an affinity constant of 1.11 nM as determined in a SPR assay (Biacore 8K) (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.

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