

**Synonym**

BSRPC

**Source**

Human SEZ6 Protein, His Tag(SE6-H52H5) 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)  
Q53EL9-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 99.7 kDa. The protein migrates as 130-180 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  $\mu$ g by the LAL method / rFC method.

**Purity**

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

**Formulation**

Lyophilized from 0.22  $\mu$ m 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.*

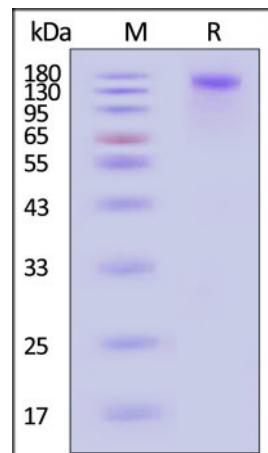
**Storage**

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

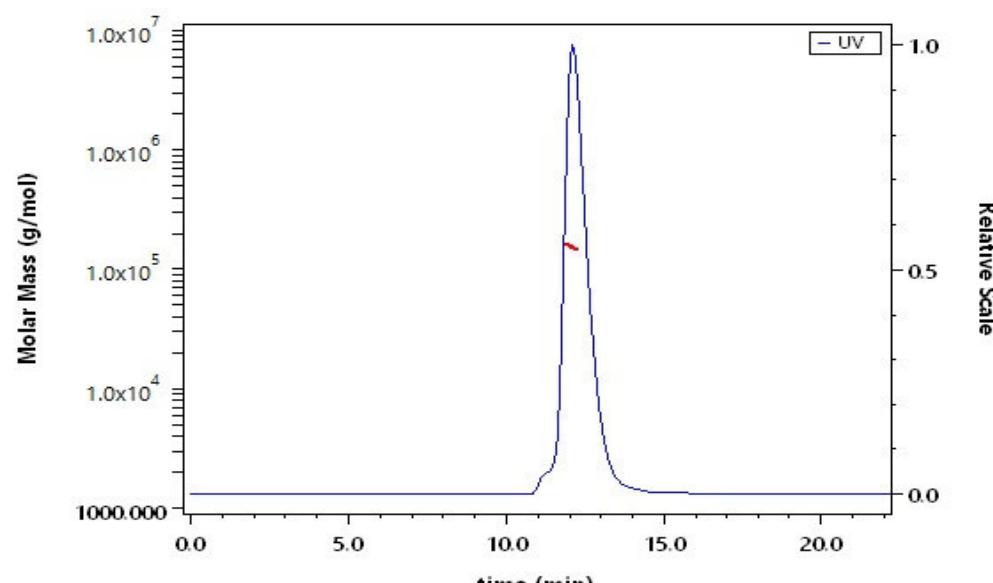
*Please avoid repeated freeze-thaw cycles.*

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.

**SDS-PAGE**

Human SEZ6 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

**SEC-MALS**

The purity of Human SEZ6 Protein, His Tag (Cat. No. SE6-H52H5) is more than 90% and the molecular weight of this protein is around 130-170 kDa verified by SEC-MALS.

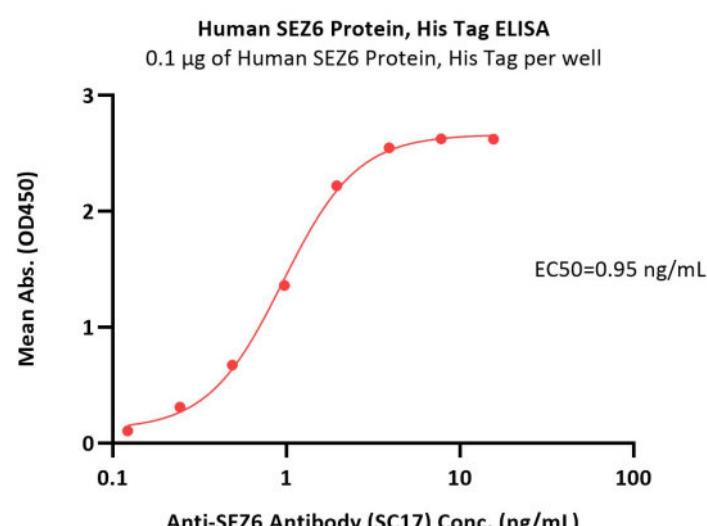
[Report](#)

**Bioactivity-ELISA**

Discounts, Gifts,  
and more!

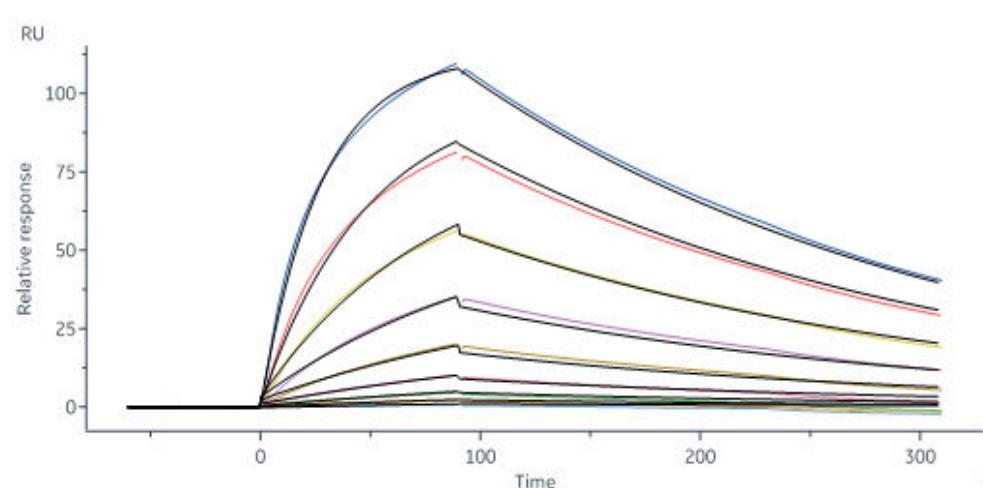


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Immobilized Human SEZ6 Protein, His Tag (Cat. No. SE6-H52H5) at 1  $\mu$ g/mL (100  $\mu$ L/well) can bind Anti-SEZ6 Antibody (SC17) with a linear range of 0.1-2 ng/mL (QC tested).

### Bioactivity-SPR



Anti-SEZ6 Antibody (SC17) captured on Protein A Chip can bind Human SEZ6 Protein, His Tag (Cat. No. SE6-H52H5) with an affinity constant of 71.2 nM as determined in 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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