



### Synonym

BSRPC

### Source

Cynomolgus SEZ6 Protein, His Tag(SE6-C52H4) is expressed from human 293 cells (HEK293). It contains AA Leu 20 - His 927 (Accession # [A0A2K5WPJ4-1](#)).

Predicted N-terminus: Leu 20

### Molecular Characterization

SEZ6(Leu 20 - His 927)  
A0A2K5WPJ4-1 Poly-his

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

The protein has a calculated MW of 99.9 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 µg by the LAL method.

### Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

### 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

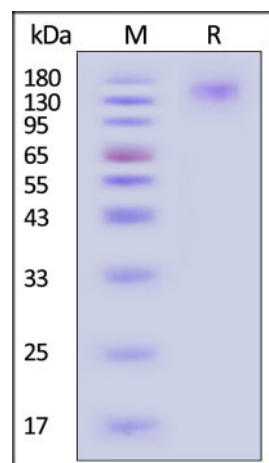
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

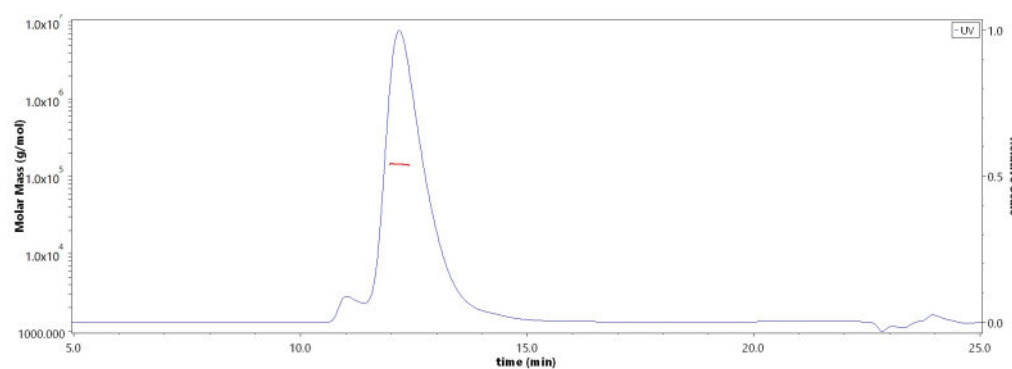
### SDS-PAGE



Cynomolgus 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](#)).

### Bioactivity-SPR

### SEC-MALS

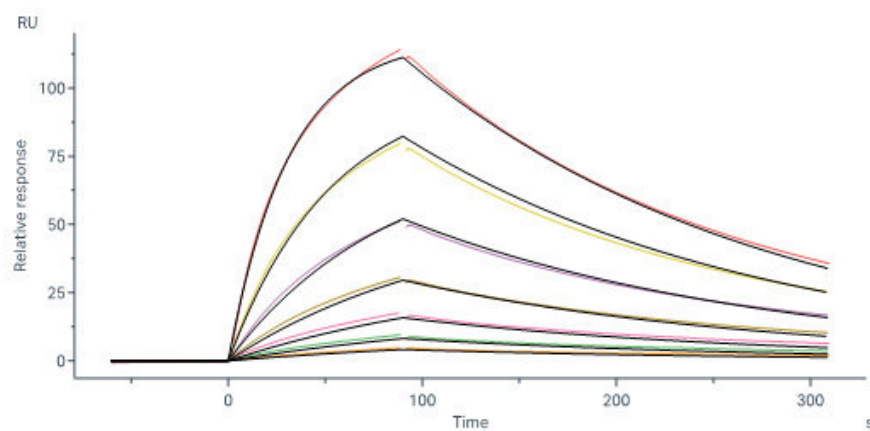


The purity of Cynomolgus SEZ6 Protein, His Tag (Cat. No. SE6-C52H4) is more than 90% and the molecular weight of this protein is around 130-170 kDa verified by SEC-MALS.

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Anti-SEZ6 antibody captured on Protein A Chip can bind Cynomolgus SEZ6 Protein, His Tag (Cat. No. SE6-C52H4) with an affinity constant of 50.5 nM as determined in a SPR assay (Biacore 8K) (QC 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

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