

Human SEZ6 Protein, His Tag

Catalog # SE6-H52H5AI



BIOSYSTEMS
Acro

Application

Human SEZ6 Protein, His Tag AIDD-Ready protein is designed for direct use in SPR assays. It is supplied in a sugar-free, glycerol-free formulation to eliminate refractive index interference in SPR. No desalting or buffer exchange is required before use, simplifying the SPR workflow and supporting high-throughput experimental validation to accelerate the transition from AI prediction to wet-lab validation.

Features and Advantages

- **Directly compatible with SPR:** No desalting or buffer exchange required; supplied as a liquid to reduce sample preparation and improve experimental efficiency.
- **High batch-to-batch consistency:** Each lot is released using SPR QC to ensure experimental reproducibility.
- **Validated with representative drugs:** SPR binding activity is validated using representative drug antibodies to ensure suitability for drug screening and evaluation.

Synonyms

BSRPC

Source

Human SEZ6 Protein, His Tag (SE6-H52H5AI) 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 Structure

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.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Formulated in a proprietary trehalose-free buffer, supplied ready-to-use for SPR/BLI analysis - no buffer exchange required.

For detailed formulation, please refer to the batch-specific COA.

Shipping and Storage

This product is supplied and shipped on dry ice.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

ACRO Quality Management System

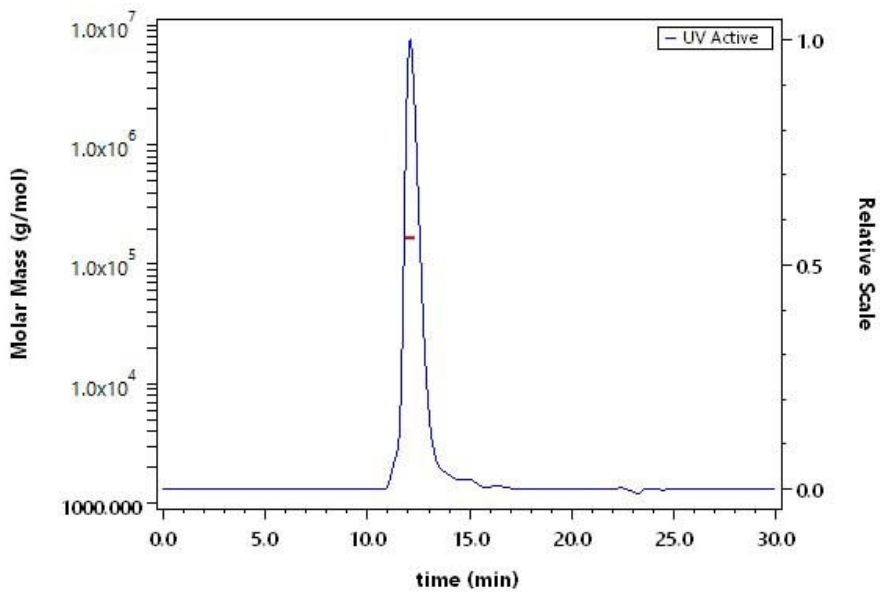
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



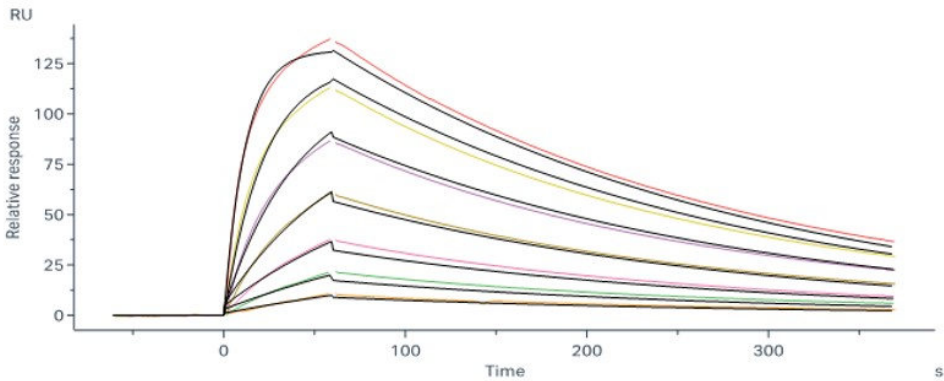
Human SEZ6 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human SEZ6 Protein, His Tag (Cat. No. SE6-H52H5AI) is more than 90% and the molecular weight of this protein is around 130-170 kDa verified by SEC-MALS.

Activity-SPR



Turmetabart (biosimilar) captured on Protein A Chip can bind Human SEZ6 Protein, His Tag (Cat. No. SE6-H52H5AI) with an affinity constant of 27.1 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

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