Human SECTM1 Protein, His Tag

Catalog # SE1-H5227

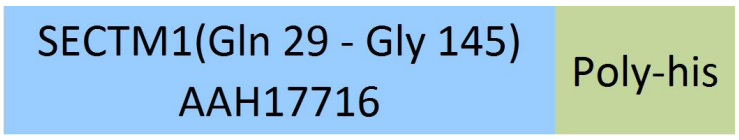
Synonym

SECTM1,K12

Source

Human SECTM1, His Tag(SE1-H5227) is expressed from human 293 cells (HEK293). It contains AA Gln 29 - Gly 145 (Accession # AAH17716). Predicted N-terminus: Gln 29

Molecular Characterization



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

The protein has a calculated MW of 13.5 kDa. The protein migrates as 18-22 kDa 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

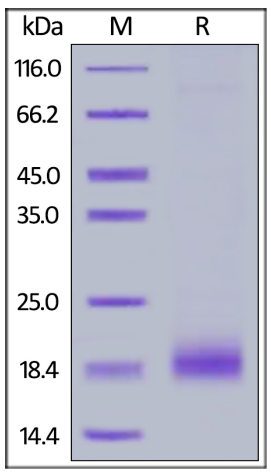
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

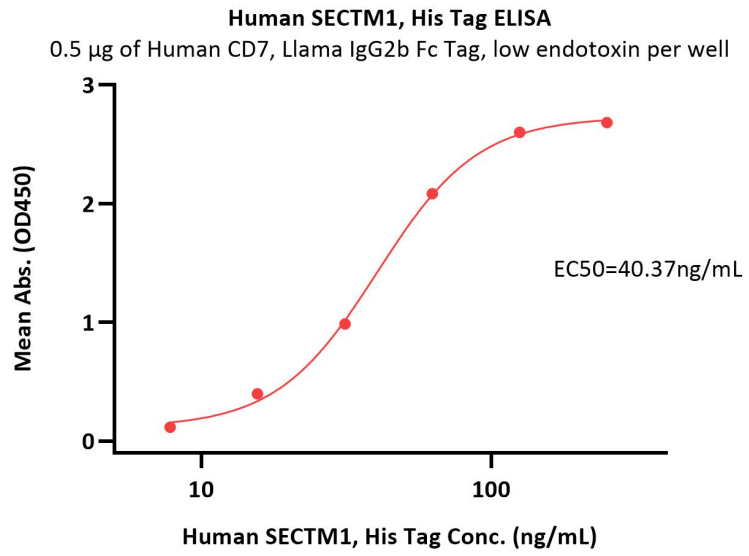
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human SECTM1, 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%.

Bioactivity-ELISA



Immobilized Human CD7 Protein, Llama IgG2b Fc Tag (Cat. No. CD7-H5258) at 5 μg/mL (100 μL/well) can bind Human SECTM1, His Tag (Cat. No. SE1-H5227) with a linear range of 8-63 ng/mL (QC tested).

Background

Secreted and transmembrane protein 1 (SECTM1) is also known as Protein K-12, which is belongs to the SECTM family, which is Inducted by IFNG/IFN-gamma (at protein level). SECTM1 is detected at the highest levels in peripheral blood leukocytes and breast cancer cell lines. SECTM1 may be involved in thymocyte signaling.