

**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**

SECTM1(Gln 29 - Gly 145)  
AAH17716 Poly-his

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.

**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.*

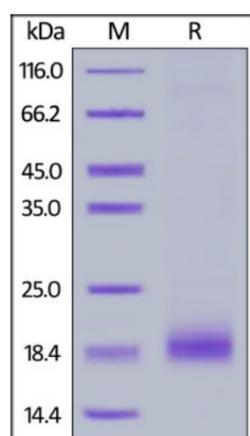
**Storage**

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

*Please avoid repeated freeze-thaw cycles.*

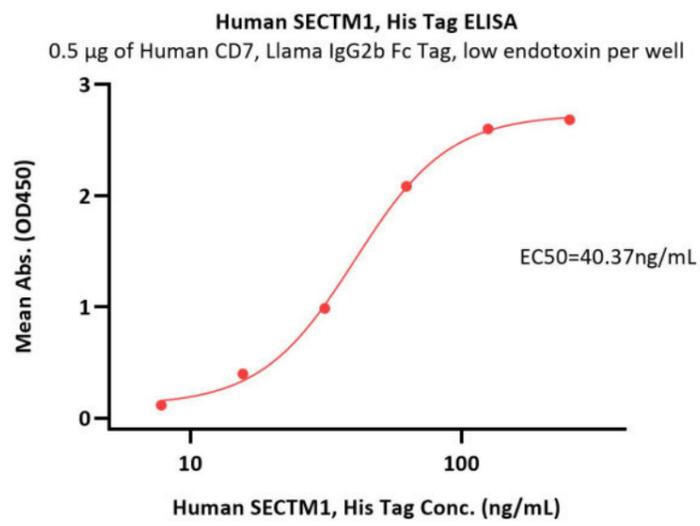
This product is stable after storage at:

- -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, Llama IgG2b Fc Tag, low endotoxin (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 belongs to the SECTM family, which is induced 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.

### Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.