

Datasheet for ABIN7564948  
**SPPL3 Protein (AA 1-384) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SPPL3
Protein Characteristics:	AA 1-384
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPPL3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Sppl3 Protein expressed in mammalian cells.
Sequence:	MAEQTYSWAY SLVDSSQVST FLISILLIVY GSFRLNMDF ENQDKEKDSN SSSGSFNGNS TNNSIQTIDS TQALFLPIGA SVSLLVMFFF FDSVQVVFTI CTAVLATIAF AFLLLPMCQY LTRPCSPQNK ISFGCCGRFT AAELLSFSL S VMLVLIWVLT GHWLLMDALA MGLCVAMIAF VRLPSLKVSC LLLSGLLIYD VFWVFFSAYI FNSNVMVKVA TQPADNPLDV LSRKLHLGPN VGRDVPRLSL PGKLVFPSST GSHFSMLGIG DIVMPGLLLC FVLRDNYKK QASGDSCGAP GPANISGRMQ KVSYPFHCTLI GYFVGLLTAT VASRIHRAAQ PALLYLVPFT LLPLLTMAYL KGDLRMWSE PFHSKSSSSR FLEV <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

---

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

---

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

---

## Target Details

---

Target:	SPPL3
Alternative Name:	Sppl3 ( <a href="#">SPPL3 Products</a> )
Background:	Signal peptide peptidase-like 3 (SPP-like 3) (EC 3.4.23.-) (Intramembrane protease 2) (IMP-2) (Presenilin-like protein 4),FUNCTION: Intramembrane-cleaving aspartic protease (I-CLiP) that cleaves type II membrane protein substrates in or close to their luminal transmembrane domain boundaries. Acts like a sheddase by mediating the proteolytic release and secretion of active site-containing ectodomains of glycan-modifying glycosidase and glycosyltransferase enzymes such as MGAT5, B4GAT1 and B4GALT1 (PubMed:25354954, PubMed:25827571). Plays a role in the regulation of cellular glycosylation processes (PubMed:25354954). Required to link T-cell antigen receptor (TCR) and calcineurin-NFAT signaling cascades in lymphocytes by promoting the association of STIM1 and ORAI1 during store-operated calcium entry (SOCE) in a protease-independent manner (PubMed:25384971). {ECO:0000269 PubMed:25354954, ECO:0000269 PubMed:25384971, ECO:0000269 PubMed:25827571}.
Molecular Weight:	42.3 kDa
UniProt:	<a href="#">Q9CUS9</a>

---

## Application Details

---

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

Buffer: The buffer composition is at the discretion of the manufacturer.

---

Handling Advice: Avoid repeated freeze-thaw cycles.

---

Storage: -80 °C

---

Storage Comment: Store at -80°C.

---

Expiry Date: 12 months

---