

Datasheet for ABIN7553846

## ERLIN2 Protein (AA 1-339) (His tag)



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### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | ERLIN2  |
| Protein Characteristics:      | AA 1-339                                      |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This ERLIN2 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)         |

### Product Details

|                  |  |
|------------------|--|
| Purpose:         | Custom-made recombinat ERLIN2 Protein expressed in mammalian cells.  |
| Sequence:        | <p>MAQLGAVVAV ASSFFCASLF SAVHKIEEGH IGVYYRGGAL LTSTSGPGFH LMLPFITSYK<br/> SVQTTLQTDE VKNVPCGTSG GVMIFYDRIE VVNFLVPNAV YDIVKNYTAD YDKALIFNKI<br/> HHELNQFCSV HTLQEVYIEL FDQIDENLKL ALQQDLTSM PGLVIQAVRV TKPNIEAIR<br/> RNYELMESEK TKLLIAAQKQ KVVEKEAETE RKKALIEAEK VAQVAEITYG QKVMKEKTEK<br/> KISEIEDAAF LAREKAKADA ECYTAMKIAE ANKLKLTPEY LQLMKYKAIA SNSKIYFGKD<br/> IPNMFMDSDSAG SVSKQFEGLA DKLSFGLEDE PLETATKEN <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></p> |
| 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, Western Blot

Grade: custom-made

## Target Details

Target: ERLIN2

Alternative Name: ERLIN2 ([ERLIN2 Products](#))

Background: Erlin-2 (Endoplasmic reticulum lipid raft-associated protein 2) (Stomatin-prohibitin-flotillin-HflC/K domain-containing protein 2) (SPFH domain-containing protein 2),FUNCTION: Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs) such as ITPR1 (PubMed:19240031, PubMed:17502376). Promotes sterol-accelerated ERAD of HMGCR probably implicating an AMFR/gp78-containing ubiquitin ligase complex (PubMed:21343306). Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway. May promote ER retention of the SCAP-SREBF complex (PubMed:24217618). {ECO:0000269|PubMed:17502376, ECO:0000269|PubMed:19240031, ECO:0000269|PubMed:21343306, ECO:0000269|PubMed:24217618}.

Molecular Weight: 37.8 kDa

UniProt: [O94905](#)

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. 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  |