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**Product Data Sheet**


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Product Name: ERLIN2 Human  
 Cat. No.: GP23415  
 Batch No.: 1

**Product Data**

|                     |  |                    |                         |
|---------------------|--|--------------------|-------------------------|
| Purity              | >98%   | Source             | Escherichia Coli.       |
| Physical Appearance | solid  | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Erlin-2; Endoplasmic reticulum lipid raft-associated protein 2; Stomatin-prohibitin-flotillin-HflC/K domain-containing protein 2; SPFH domain-containing protein 2; ERLIN2; C8orf2; SPFH2; UNQ2441; PRO5003; PRO9924; NET32; SPG18.  |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSKIEEGHI GVYYRGGALL TSTSGPGFHL<br>MLPFITSYKS VQTTLQTDEV KNVPCGTSSG VMIYFDRIEV VNFLVNAVY<br>DIVKNYTADY DKALIFNKIH HELNQFCSVH TLQEVYIELF DQIDENLKLA<br>LQQDLTSMAP GLVIQAVRVT KPNIPEAIRR NYELMESEKT KLLIAAQKQK<br>VVEKEAETER KKALIEAEKV AQVAEITYGQ KVM EKETEKK ISEIEDAAFL<br>AREKAKADAE CYTAMKIAEA NKLKLTPEYL QLMKYKAIAS NSKIYFGKDI<br>PNMFMD SAGS VSKQFEGLAD KLSFGLEDEP LETATKEN. |                    |                         |
| Formulation         | ERLIN2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 20% glycerol.   |                    |                         |

**Introduction**

ER Lipid Raft Associated 2 (ERLIN2) is a domain-containing protein which is a member of the band 7/mec-2 family. ERLIN2 is a ubiquitously expressed 339 amino acid protein. ERLIN2 which is localized to the lipid raft-like domains in the membrane of the endoplasmic reticulum (ER), plays a key role in the ER-associated degradation (ERAD) pathway that eliminates metabolically regulated and abnormal proteins from the ER.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### Background

ERLIN2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 338 amino acids (25-339 a.a) and having a molecular mass of 37.8 kDa.ERLIN2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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