

Recombinant Human Epsin 1 protein ab162265

1 Image

Description

Product name	Recombinant Human Epsin 1 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSTSSLRRQMKNVHNYSEAEIKVREATSNDPWGPSSSL MSEIADLTYNV VAFSEIMSMWKRLNDHGKNWRHVYKAMTLMEYLIKTGSE RVSQQCKENM YAVQTLKDFQYVDRDGKDQGVNVREKAKQLVALLRDED RLREERAHALKT KEKLAQTATASSAAVGSGPPPEAEQAWPQSSGEEELQL QLALAMSKEEAD QEERIRRGDDLRLQMAIEESKRETGGKEESSLMDLADVFT APAPAPTTDP WGGPAPMAAAVPTAAPTSDPWGGPPVPPAADPWGGPA PTPASGDPWRPAA PAGPSVDPWGGTPAPAAGEGPTDPWGSSDGGVPVSG PSASDPWTPAPAF SDPWGGSPAKPSTNGTTAGGFDTEPDEFSDFDRLRTAL PTSGSSAGELEL LAGEVPARSPGAFDMSGVVRGSLAEAVGSPPPAATPTPT PPTRKTPESFLG PNAALVDLDSLVSRLPGTPPGAKASNPFLPGGGPATGPS VTNPFQPAPPA TLTLNQLRLSPVPPVPGAPPTYISPLGGGPGLPPMMPPGP PAPNTNPFL
Amino acids	1 to 550
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab162265** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Western blot

ELISA

**Form** Liquid

**Additional notes**

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## Preparation and Storage

**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

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## General Info

**Function** Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P<sub>2</sub>). Modifies membrane curvature and facilitates the formation of clathrin-coated invaginations (By similarity). Regulates receptor-mediated endocytosis.

**Sequence similarities** Belongs to the epsin family.  
Contains 1 ENTH (epsin N-terminal homology) domain.  
Contains 3 UIM (ubiquitin-interacting motif) repeats.

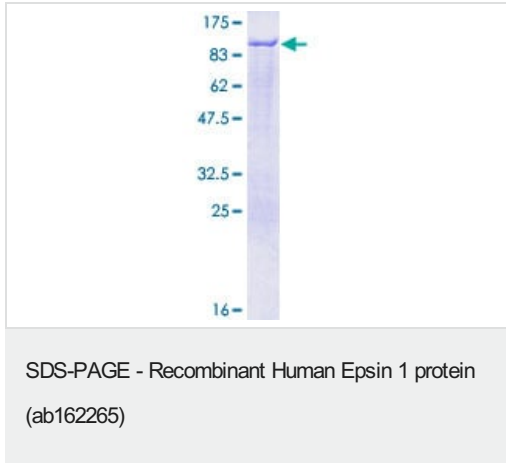
**Domain** The NPF repeat domain is involved in EPS15 binding.  
The DPW repeat domain is involved in AP2A2 and clathrin binding.  
The [DE]-X(1,2)-F-X-X-[FL]-X-X-X-R motif mediates interaction with the AP-2 complex subunit AP2B1.

**Post-translational modifications** Phosphorylated on serine and/or threonine residues in mitotic cells. Phosphorylation reduces interaction with REPS2, AP-2 and the membrane fraction. Depolarization of synaptosomes results in dephosphorylation.  
Ubiquitinated.

**Cellular localization** Cytoplasm. Cell membrane. Nucleus. Membrane > clathrin-coated pit. Associated with the cytoplasmic membrane at sites where clathrin-coated pits are forming. Colocalizes with clathrin and AP-2 in a punctate pattern on the plasma membrane. Detected in presynaptic nerve terminals and in Golgi stacks. May shuttle to the nucleus when associated with ZBTB16/ZNF145.

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## Images



ab162265 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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