abcam

Product datasheet

Recombinant Human Huntingtin Interacting Protein HIP1 ab116725

1 Image

Overview

Product name	Recombinant Human Huntingtin Interacting Protein HIP1
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession	O00291
Species	Human
Sequence	DSPNLAQLQQASRGVNQATAGVVASTISGKSQIEETDNMDFSSMTLTQIK RQEMDSQVRVLELENELQKERQKLGELRKKHYELAGVAEGWEEGTEASPP TLQEVVTEKE
Molecular weight	38 kDa including tags
Amino acids	928 to 1037

Specifications

Our Abpromise guarantee covers the use of **ab116725** 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 SDS-PAGE
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. Best use within three months from the date of receipt of this protein.

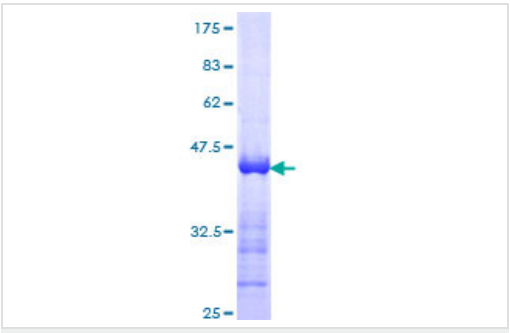
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 79% Tris HCl, 0.3% Glutathione

General Info

Function	Plays a role in clathrin-mediated endocytosis and trafficking. Involved in regulating AMPA receptor trafficking in the central nervous system in an NMDA-dependent manner. Enhances androgen receptor (AR)-mediated transcription. May act as a proapoptotic protein that induces cell death by acting through the intrinsic apoptosis pathway. Binds 3-phosphoinositides (via ENTH domain). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases following ligand-induced endocytosis. May play a functional role in the cell filament networks. May be required for differentiation, proliferation, and/or survival of somatic and germline progenitors.
Tissue specificity	Ubiquitously expressed with the highest level in brain. Expression is up-regulated in prostate and colon cancer.
Involvement in disease	Note=A chromosomal aberration involving HIP1 is found in a form of chronic myelomonocytic leukemia (CMML). Translocation t(5;7)(q33;q11.2) with PDGFRB. The chimeric HIP1-PDGFRB transcript results from an in-frame fusion of the two genes. The reciprocal PDGFRB-HIP1 transcript is not expressed.
Sequence similarities	Belongs to the SLA2 family. Contains 1 ENTH (epsin N-terminal homology) domain. Contains 1 I/LWEQ domain.
Domain	The pseudo DED region (pDED) mediates the interaction with IFT57. Binds F-actin via the talin-like I/LWEQ domain.
Cellular localization	Cytoplasm. Nucleus. Endomembrane system. Cytoplasmic vesicle > clathrin-coated vesicle membrane. Shuttles between cytoplasm and nucleus. Nuclear translocation can be induced by AR.

Images



SDS-PAGE - Huntingtin Interacting Protein HIP1 (ab116725)

12.5% SDS-PAGE showing ab116725 at approximately 37.73kDa.
Stained with Coomassie Blue.

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