

Product datasheet

Recombinant Human HIP1 protein ab116725

1 Image

Overview

<b>Product name</b>	Recombinant Human HIP1 protein
<b>Protein length</b>	Protein fragment

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">O00291</a>
<b>Species</b>	Human
<b>Sequence</b>	DSPNLAQLQQASRGVNQATAGVVASTISGKSQIEETD NMDFSSMTLTQIK RQEMDSQVRVLELENELQKERQKLGELRKKHYELAG VAEGWEEGTEASPP TLQEVVTEKE
<b>Molecular weight</b>	38 kDa including tags
<b>Amino acids</b>	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.

<b>Applications</b>	Western blot ELISA SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml. Best use within three months from the date of receipt of this protein. Previously labelled as Huntingtin Interacting Protein HIP1.

Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
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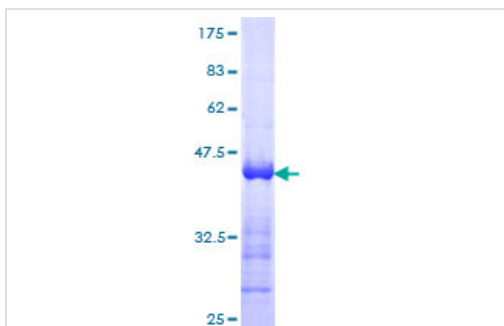
pH: 8.00

Constituents: 79% Tris HCl, 0.3% Glutathione

## General Info

<b>Function</b>	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.
<b>Tissue specificity</b>	Ubiquitously expressed with the highest level in brain. Expression is up-regulated in prostate and colon cancer.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the SLA2 family. Contains 1 ENTH (epsin N-terminal homology) domain. Contains 1 I/LWEQ domain.
<b>Domain</b>	The pseudo DED region (pDED) mediates the interaction with IFT57. Binds F-actin via the talin-like I/LWEQ domain.
<b>Cellular localization</b>	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 - Recombinant Human HIP1 protein  
(ab116725)

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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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