

Product datasheet

Recombinant Human HIP1 protein ab114964

[1 Image](#)

Description

Product name	Recombinant Human HIP1 protein
Expression system	Wheat germ
Accession	<u>O00291</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence

MDRMASMKQVPNPLPKVLSRRGVGAGLEAAERESFER
TQTVSINKAINT
QEVAVKEKHARTCILGTHHEKGAQTFWSVVNRLPLSSNA
VLCWKFCVHFH
KLLRDGHPNVLKDSLRYRNELSDMSRMWGHLSSEGYGQL
CSIYKLLRTKM
EYHTKNPRFPGNLQMSDRQLDEAGESDVNNFFQLTVMF
DYLECELNLFQ
TVFNSLDMSRSVSVTAAGQCRLAPLIQVILDCSHLYDYTVK
LLFKLHSC
PADTLQGHRDRFMEQFTKLKDLFYRSSNLQYFKRLIQIPQL
PENPPNFLR
ASALSEHISPVVVIPAEASSPDSEPVLEKDDLMDMDASQ
QNLFDNKFDDI
FGSSFSSDPFNFNSQNGVKNKDEKDHLIERLYREISGLKAQ
LENMKTESQR
VVLQKGVHSELEADLAEQQHLRQQAADDCEFLRAELDE
LRRQREDTEKA
QRSLSEIERKAQANEQRYSKLKEKYSSELVQNHADLLRKN
EVTQVSMAR
QAQVDLEREKKELEDSSLERISDQGQRKTQEQLEVLES
LQELATSQRELQ
VLQGSLETSAQSEANWAAEFAELEKERDSLVS
GAAHRE
EELSALRKELQD
TQLKLASTEESMCQLAKDQRKMLLVGSRKAAEQVIQDAL
NLQLEEPPLISC
AGSADHLLSTVTSISSCIEQLEKSWSQYLACPEDISGLLH
SI
TLLAHLTS

DAIAHGATTCLRAPPEPADSLTEACKQYGRETLYLASLE
EEGSLENADS
TAMRNCLSKIKAIGEELLPRGLDIKQEELGDLVDKEMAATS
AAIETATAR
IEEMLSKSRAGDTGVKLEVNERILGCCTSLMQAIQVLMAS
KDLQREIVE
SGRGTASPKEFYAKNSRWTEGLISASKAVGWGATVMVD
AADLVVQGRGKF
EELMVCSHEIAASTAQLVAASKVKADKDSPNLAQLQQAS
RGNVQATAGVV
ASTISGKSQIEETDNMDFSSMTLTQIKRQEMDSQVRVLEL
ENELQKERQK
LGELRKKHYELAGVAEGWEEGTEASPPTLQEVVTEKE

Predicted molecular weight 140 kDa including tags
Amino acids 1 to 1037

Specifications

Our **Abpromise guarantee** covers the use of **ab114964** in the following tested applications.

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

Applications ELISA
SDS-PAGE
Western blot

Form Liquid

Additional notes This product was previously labelled as Huntingtin Interacting Protein HIP1.

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: 0.3% Glutathione, 0.79% Tris HCl

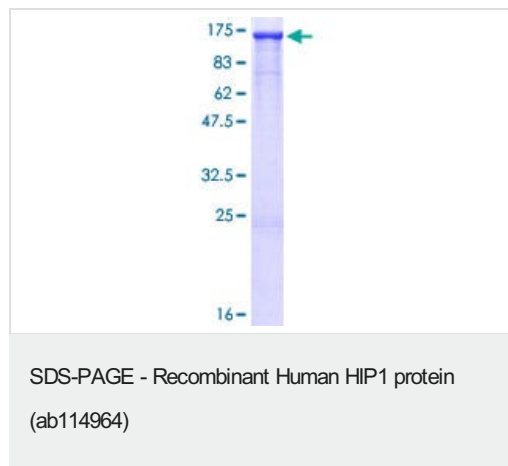
General Info

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



12.5% SDS-PAGE showing ab114964 at approximately 140.14kDa.
Stained with Coomassie Blue.

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

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