

Datasheet for ABIN7554119
HIP1 Protein (AA 1-1037) (His tag)



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Overview

Quantity:	1 mg
Target:	HIP1
Protein Characteristics:	AA 1-1037
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HIP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HIP1 Protein expressed in mammalian cells.
Sequence:	<p>MDRMASMKQ VPNPLPKVLS RRGVGAGLEA AERESFERTQ TVSINKAINT QEVAVKEKHA RTCILGTHHE KGAQTFWSVV NRLPLSSNAV LCWKFCHVFH KLLRDGHPNV LKDSLRYRNE LSDMSRMWGH LSEGYGQLCS IYLKLLRTKM EYHTKNPRFP GNLQMSDRQL DEAGESDVNN FFQLTVEMFD YLECELNLFQ TVFNSLDMSR SVSVTAAGQC RLAPLIQVIL DCSHLYDYTV KLLFKLHSC L PADTLQGHRD RFMEQFTKLK DLFYRSSNLQ YFKRLIQIPQ LPENPPNFLR ASALSEHISP VVVIPAEASS PDSEPVLEKD DLMDMDASQQ NLFDNKFDDI FGSSFSSDPF NFNSQNGV NK DEKDHLIERL YREISGLKAQ LENMKTESQR VVLQLKGHVS ELEADLAEQQ HLRQQAADD C EFLRAELDEL RRQREDTEKA QRSLSEIERK AQANEQRYSK LKEKYSSELVQ NHADLLR KNA EVTKQVSMAR QAQVDLEREK KELED SLERI SDQGQRKTQE QLEVLES LKQ ELATSQRELQ VLQGSLETS A QSEANWAAEF AELEKERDSL VSGAAHREEE LSALRKELQD TQLKLASTEE SMCQLAKDQR KMLLVGSRKA AEQVIQDALN QLEEPPLISC AGSADHLLST VTSISSCIEQ LEKSWSQYLA CPEDISGLLH SITLLAHLTS DAIAHGATTC LRAPPEPADS</p>

Product Details

LTEACKQYGR ETLAYLASLE EEGSLENADS TAMRNCLSKI KAIGEELLPR GLDIKQEELG
DLVDKEMAAT SAAIETATAR IEEMLSKSRA GDTGVKLEVN ERILGCCTSL MQAIQVLIVA
SKDLQREIVE SGRGTASPKE FYAKNSRWTE GLISASKAVG WGATVMVDAA DLVVQGRGKF
EELMVCSHEI AASTAQLVAA SKVKADKDSP NLAQLQQASR GVNQATAGVV ASTISGKSQI
EETDNMDFSS MTLTQIKRQE MDSQVRVLEL ENELQKERQK LGELRKKHYE LAGVAEGWEE
GTEASPPTLQ EVVTEKE **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: HIP1

Alternative Name: HIP1 ([HIP1 Products](#))

Background: Huntingtin-interacting protein 1 (HIP-1) (Huntingtin-interacting protein I) (HIP-I),FUNCTION: Plays a role in clathrin-mediated endocytosis and trafficking (PubMed:11532990, PubMed:11577110, PubMed:11889126). Involved in regulating AMPA receptor trafficking in the

Target Details

central nervous system in an NMDA-dependent manner (By similarity). Regulates presynaptic nerve terminal activity (By similarity). Enhances androgen receptor (AR)-mediated transcription (PubMed:16027218). May act as a proapoptotic protein that induces cell death by acting through the intrinsic apoptosis pathway (PubMed:11007801). Binds 3-phosphoinositides (via ENTH domain) (PubMed:14732715). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases following ligand-induced endocytosis (PubMed:14732715). May play a functional role in the cell filament networks (PubMed:18790740). May be required for differentiation, proliferation, and/or survival of somatic and germline progenitors (PubMed:11007801, PubMed:12163454).

{ECO:0000250|UniProtKB:Q8VD75, ECO:0000269|PubMed:11007801, ECO:0000269|PubMed:11532990, ECO:0000269|PubMed:11577110, ECO:0000269|PubMed:11889126, ECO:0000269|PubMed:12163454, ECO:0000269|PubMed:14732715, ECO:0000269|PubMed:16027218, ECO:0000269|PubMed:18790740, ECO:0000269|PubMed:9147654}.

Molecular Weight: 116.2 kDa

UniProt: [O00291](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months