

Recombinant Full Length Human HIP1 Protein

Cat. No. HIP1-233HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Huntingtin Interacting Protein HIP1 with N terminal proprietary tag; Predicted MWt 140.14 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1037 amino acids
Description	The product of this gene is a membrane-associated protein that colocalizes with huntingtin. This protein has similarities to cytoskeleton proteins and its interaction with huntingtin is thought to play a functional role in the cell filament network. Loss of normal huntingtin-HIP1 interaction in Huntington disease may contribute to a defect in membrane-cytoskeletal integrity in the brain. This gene could help in the understanding of the normal function of huntingtin and also the pathogenesis of Huntington disease. It also has been implicated in the pathogenesis of hematopoietic malignancies. Two transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Molecular Mass	140.140kDa inclusive of tags
AA Sequence	MDRMASMKQVPNPLPKVLSRRGVGAGLEAAERESFERTQ TVSINKAINTQEVAVK EKHARTCILGTHHEKGAQTFWSVV NRLPLSSNAVLCWKFCFHVFKLLRDGHPNVLK

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DSLRYRNE LSDMSRMWGHLSSEGYGQLCSIYKLLRTKMEYHTKNPRFP GNLQMS
 DRQLDEAGESDVNNFFQLTVEMFDYLECELNLFQ TVFNSLDMSRSVSVTAAGQCR
 LAPLIQVILDCSHLYDYTV KLLFKLHSCLPADTLQGHRDRFMEQFTKLKDLFYRSSNL
 Q YFKRLIQIPQLPENPPNFLRASALSEHISPVVVIPAEASS PDSEPVLKDDLMDMD
 ASQQNLFDNKFDDIFGSSFSSDPF NFNSQNGVKNDEKDHIERLYREISGLKAQLEN
 MKTESQR VVLQLKGHVSELEADLAEQQHLRQQAADDCEFLRAELDEL RRQREDTE
 KAQRSLSEIERKAQANEQRYSKLKEKYSSELVQ NHADLLRKNAEVTQVSMARQAQ
 VDLEREKKELEDSELERI SDQGQRKTQEQLVLESLKQELATSQRELQVLQGSLETS
 A QSEANWAAEFAELEKERDSLVSAGAAHREEELSALRKELQD TQLKLASTEESMCQ
 LAKDQRKMLLVGSRKAAEQVIQDALN QLEEPPLISCAGSADHLLSTVTSISSCIEQLE
 KWSQYLA CPEDISGLLHSITLLAHLTSDAIAHGATTCLRAPPEPADS LTEACKQYG
 RETLAYLASLEEEGSLLENADSTAMRNCLSKI KAIGEELLPRGLDIKQEELGDLVDKEM
 AATSAAIETATAR IEEMLSKSRAGDTGVKLEVNERILGCCTSLMQAIQVLIVA SKDLQ
 REIVESGRGTASPKEFYAKNSRWTEGLISASKAVG WGATVMVDAADLVVQGRGKF
 EELMVCSHEIAASTAQLVAA SKVKADKDSPNLAQLQQASRGVNQATAGVVASTISG
 KSQI EETDNMDFSSMTLTQIKRQEMDSQVRVLELELENELQKERQK LGELRKKHYELA
 GVAEGWEEGTEASPPTLQEVVTEKE

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [HIP1 huntingtin interacting protein 1 \[Homo sapiens \]](#)

Official Symbol [HIP1](#)

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Synonyms	HIP1; huntingtin interacting protein 1; huntingtin-interacting protein 1; ILWEQ
Gene ID	3092
mRNA Refseq	NM_001243198
Protein Refseq	NP_001230127
MIM	601767
UniProt ID	O00291

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