

Recombinant Full Length Human HIP1 Protein, GST-tagged

Cat. No. HIP1-3474HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIP1 full-length ORF (NP_005329.3, 1 a.a. - 1037 a.a.) recombinant protein with GST-tag at N-terminal.
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. An alternative splice variant of this gene has been described but its full length sequence has not been determined. [provided by RefSeq]
Molecular Mass	142.6 kDa
AA Sequence	MDRMASMKQVPNPLPKVLSRRGVGAGLEAAERESFERTQTVSINKAINTQEVAVK EKHARTCILGTHHEKGAQTFWSVVRNRLPLSSNAVLCWKFCFHVFKLLRDGHPNVLK DSLRYRNELSDMSRMWGHLSSEGYGQLCSIYLLKLLRTKMEYHTKNPRFPGNLQMSD RQLDEAGESDVNNFFQLTVEMFDYLECELNLFQTVFNSLDMSRSVSVTAAGQCRLA

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PLIQVILDCSHLYDYTVKLLFKLHSCLPADTLQGHRDRFMEQFTKLKDLFYRSSLNLQY
 FKRLIQIPQLPENPPNFLRASALSEHISPVVVIPAEASSPDSEPVLEKDDLMDMDASQ
 QNLFDNKFDDIFGSSFSSDPFNFNSQNGVKNDEKDHLIERLYREISGLKAQLENMKT
 ESQRVVLQLKGHVSELEADLAEQQHLRQQAADDCEFLRAELDELRRQREDTEKAQ
 RSLSEIERKAQANEQRYSKLKEKYSSELVQNHADLLRKNAEVTQVSMARQAQVDLE
 REKKELEDSLERISDQGQRKTQEQLVLESCLKQELATSQRELQVLQGSLETSQAQSEA
 NWAAEFAELEKERDSLVSAAHREEELSALRKELQDTQLKLASTEESMCQLAKDQR
 KMLLVGSRKAAEQVIQDALNQLEEPPLISCAGSADHLLSTVTSISSCIEQLEKSWSQY
 LACPEDISGLLHSITLLAHLTSDAIAHGATTCLRAPPEPADSLTEACKQYGRETLAYLA
 SLEEEGSLENADSTAMRNCLSKIKAIGEELLPRGLDIKQEELGDLVDKEMAATSAAIE
 TATARIEEMLSKSRAGDTGVKLEVNERILGCCTSLMQAIQVLIVASKDLQREIVESGR
 GTASPKEFYAKNSRWTEGLISASKAVGWGATVMVDAADLVVQGRGKFEELMVCSH
 EIAASTAQLVAASKVKADKDSPNLAQLQQASRGVNQATAGVVASTISGKSQIEETDN
 MDFSSMTLTQIKRQEMDSQVRVLELENELQKERQKLGELRKKHYELAGVAEGWEE
 GTEASPPTLQEVVTEKE

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

HIP1 huntingtin interacting protein 1 [Homo sapiens]

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Official Symbol	HIP1
Synonyms	HIP1; huntingtin interacting protein 1; huntingtin-interacting protein 1; ILWEQ; HIP-I; huntingtin-interacting protein I; MGC126506;
Gene ID	3092
mRNA Refseq	NM_001243198
Protein Refseq	NP_001230127
MIM	601767
UniProt ID	O00291

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