

Recombinant Full Length Human HAP1 Protein, GST-tagged

Cat. No. HAP1-3354HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HAP1 full-length ORF (AAI56729.1, 1 a.a. - 671 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	671 amino acids
Description	Huntingtons disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein that interacts with huntingtin, with two cytoskeletal proteins (dynactin and pericentriolar autoantigen protein 1), and with a hepatocyte growth factor-regulated tyrosine kinase substrate. The interactions with cytoskeletal proteins and a kinase substrate suggest a role for this protein in vesicular trafficking or organelle transport. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq
Molecular Mass	100.21 kDa
AA Sequence	MRPKRLGRCCAGSRLGPGDPAALTCAPSPSASPAPEPSAQPQARGTGQRVGSRA TSGSQFLSEARTGARPASEAGAKAGARRPSAFSAIQGDVRSMPDNSDAPWTRFVF QGPFGRATGRGTGKAAGIWKTPAAYVGRRPVSGPERAAFIREEALCPNLPPP VKKITQEDVKVMLYLLEELLPPVWESVTYGMVLQRERDLNNTAARIGQSLVKQNSVLM EENSKLEALLGSAKEEILYLRHQVNLRDPELLQLYSDSDEEDEDEEEEEEEEEKEAEEEEQ

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EEEEAEEDLQCAHPCDAPKLISQEALLHQHHCPQLEALQEKLRLLEEENHQLREEAS
 QLDTLEDEEQMLILECVEQFSEASQQMAELSEVLVLRLENYERQQQEVARLQAQVL
 KLQQRCRMVGAETEKLQKQLASEKEIQMQLQEEVWVGSQQLDLREKYMDCGGM
 LIEMQEEVKTLRQQPPVSTGSATHYPYSVPLETLPGFQETLAEELRTSLRRMISDPV
 YFMERNYEMPRGDTSSLRYDFRYSEDREQVRGFEEGLMLAADIMRGEDFTPAE
 EFVPQEELGAAKKVPAEEGVMEEAELVSEETEGWEEVELELDEATRMMNVVTSALEA
 SGLGPSHLDMNYVLQQLANWQDAHYRRQLRWKMLQKGECPHGALPAASRTSCRS
 SCR

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

[HAP1 huntingtin-associated protein 1 \[Homo sapiens \]](#)

Official Symbol

[HAP1](#)

Synonyms

HAP1; huntingtin-associated protein 1; HAP2; hHLP1; HIP5; HLP; neuroan 1; HAP-1;
 huntingtin-associated protein 2;

Gene ID

[9001](#)

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mRNA Refseq	NM_001079870
Protein Refseq	NP_001073339
MIM	600947
UniProt ID	P54257

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