

Recombinant Human HAP1 Protein, GST-tagged

Cat. No. HAP1-4573H **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	Wheat Germ
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 EENSKLEALLGSAKEEILYLRHQVNLRDPELLQLYSDSDEEDEDEEEEEEEKEAEEEEQ EEEEAEEDLQCAHPCDAPKLISQEALLHQHHCPQLEALQEKLRLLEENHQLREEAS

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QLDTLEDEEQMLILECVEQFSEASQQMAELSEVLVLRLENYERQQQEVARLQAQVL
 KLQQRCRMVGAETEKLQKQLASEKEIQMQLQEEVWVGSQQLDLREKYMDCGGM
 LIEMQEEVKTLRQQPPVSTGSATHYPYSVPLETLPGFQETLAEELRTSLRRMISDPV
 YFMERNYEMPRGDTSSLRYDFRYSEDREQVRGFEEGLMLAADIMRGEDFTPAE
 EFVPQEELGAAKKVPAEEGVMEEAELVSEETEGWEEVELELDEATRNMNVVTSALEA
 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
mRNA Refseq	NM_001079870

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Protein Refseq NP_001073339

MIM 600947

UniProt ID P54257

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