

## Recombinant Human HAP1 Protein, GST-tagged

**Cat. No.** HAP1-4573H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human HAP1 full-length ORF ( AAI56729.1, 1 a.a. - 671 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 100.21 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MRPKRLGRCCAGSRLGPGDPAALTCAPSPSASPAPEPSAQPQARGTGQRVGSRA<br>TSGSQFLSEARTGARPASEAGAKAGARRPSAFSAIQGDVRSMPDNSDAPWTRFVF<br>QGPFGRATGRGTGKAAGIWKTPAAYVGRRPVSGPERAAFIREEALCPNLPPP<br>VKKITQEDVKVMLYLLEELLPPVWESVTYGMVLQRRERDLNTAARIGQSLVKQNSVLM<br>EENSKLEALLGSAKEEILYLRHQVNLRDELLQLYSDSDEEDEDEEEEEEEKEAEEEQ<br>EEEEAEEDLQCAHPCDAPKLISQEALLHQHHCPQLEALQEKRLLEEENHQLREEAS                                                                                                                                                                                                                                                                                                                                      |

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QLDTLEDEEQMLILECVEQFSEASQQMAELSEVLVLRLENYERQQQEVARLQAQVL  
 KLQQRRCRMYGAETEKQLKQLASEKEIQMQLQEESVWVGSQQLDLREKYMDCGGM  
 LIEMQEEVKTLRQQPPVSTGSATHYPYSVPLETLPGFQETLAEELRTSLRRMISDPV  
 YFMERNYEMPRGDTSSLRYDFRYSEDREQVRGFEEAGLMLAADIMRGEDFTPAE  
 EFVPQEELGAAKKVPAEEGVMEEAELVSEETEGWEEVELELDEATRMNVVTSALEA  
 SGLGPSHLDNMNYVLQQLANWQDAHYRRQLRWKMLQKGECPHGALPAASRTSCRS  
 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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