

Recombinant Human HAP1 protein, His & GST-tagged

Cat. No. HAP1-1598H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HAP1 aa. (Pro160~Gln381 (Accession # P54257)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro160~Gln381
Description	Huntington's 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	4.2

GENE INFORMATION

Gene Name	HAP1 huntingtin associated protein 1 [Homo sapiens (human)]
Official Symbol	HAP1
Synonyms	HAP1; huntingtin associated protein 1; HLP; HAP2; HIP5; hHLP1; huntingtin-associated protein 1; HAP-1; huntingtin-associated protein 2; neuroan 1
Gene ID	9001
mRNA Refseq	NM_001079870.1
Protein Refseq	NP_001073339.1

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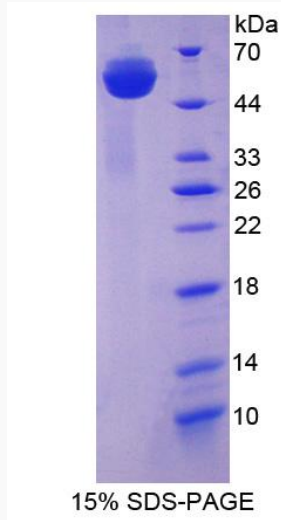
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UniProt ID

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SDS-PAGE



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