

Recombinant Rat Hap1 protein, His & GST-tagged

Cat. No. Hap1-1600R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Hap1 aa. (Gln349~Arg584 (Accession # P54256)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Gln349~Arg584
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 is homologous to the human huntingtin-associated protein 1. The human protein 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. Two transcripts encoding different isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
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	4.9

GENE INFORMATION

Gene Name	Hap1 huntingtin-associated protein 1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Hap1
Synonyms	Hap1; huntingtin-associated protein 1; HAP1-A; HAP1-B; HAP-1
Gene ID	29430
mRNA Refseq	NM_024133.2
Protein Refseq	NP_077047.1

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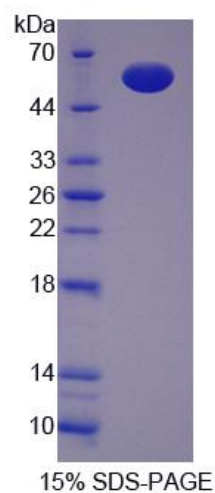
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UniProt ID

P54256

SDS-PAGE

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