

Recombinant Mouse Hap1 protein, His & T7-tagged

Cat. No. Hap1-1599M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hap1 aa. (Cys132~Glu328 (Accession # O35668)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Cys132~Glu328
Description	The protein encoded by this gene was first identified as a neuronal protein that binds the HD protein huntingtin. The protein also interacts with kinesin light chain, 14-3-3 proteins, and Abelson helper integration site 1 protein. The protein is involved in intracellular trafficking of vesicles and organelles, and lack of the protein results in neuronal death resembling the hypothalamic degeneration that occurs in Huntington's disease. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.6kDa
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	4.3

GENE INFORMATION

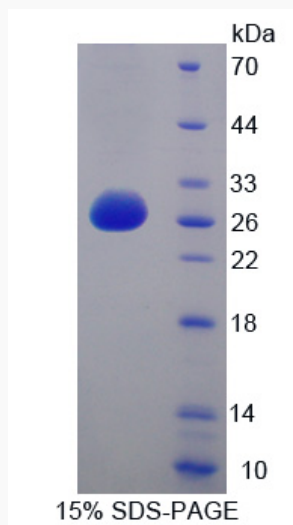
Gene Name	Hap1 huntingtin-associated protein 1 [Mus musculus (house mouse)]
Official Symbol	Hap1
Synonyms	Hap1; huntingtin-associated protein 1; HAP-1
Gene ID	15114
mRNA Refseq	NM_010404.3
Protein Refseq	NP_034534.1
UniProt ID	O35668

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SDS-PAGE



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