

Recombinant Human HIP1

Cat. No. HIP1-26095TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HIP1 with N-terminal proprietary tag. Predicted MW 37.73kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	The product of this gene is a membrane-associated protein that colocalizes with huntingtin. This protein has similarities to cytoskeleton proteins and its interaction with huntingtin is thought to play a functional role in the cell filament network. Loss of normal huntingtin-HIP1 interaction in Huntington disease may contribute to a defect in membrane-cytoskeletal integrity in the brain. This gene could help in the understanding of the normal function of huntingtin and also the pathogenesis of Huntington disease. It also has been implicated in the pathogenesis of hematopoietic malignancies. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Ubiquitously expressed with the highest level in brain. Expression is up-regulated in prostate and colon cancer.
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DSPNLAQLQQASRGVNVQATAGVVASTISGKSQIEETDNMDFSSMTLTQIKRQEMDS QVRVLELENELQKERQKLGELRKKHYELAGVAEGWEEGTEASPPTLQEVVTEKE
Sequence Similarities	Belongs to the SLA2 family. Contains 1 ENTH (epsin N-terminal homology) domain. Contains 1 I/LWEQ domain.

GENE INFORMATION

Gene Name	HIP1 huntingtin interacting protein 1 [Homo sapiens]
Official Symbol	HIP1
Synonyms	HIP1; huntingtin interacting protein 1; huntingtin-interacting protein 1; ILWEQ;
Gene ID	3092
mRNA Refseq	NM_001243198
Protein Refseq	NP_001230127
MIM	601767
Uniprot ID	O00291

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Chromosome Location	7q11.23
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	actin binding; clathrin binding; phosphatidylinositol binding; protein binding; structural constituent of cytoskeleton;

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