

STUB1 (CHIP) recombinant protein

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CATALOG # AAA72894	HOST E Coli	APPLICATIONS Western Blot
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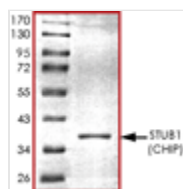
PRODUCT SYNONYMS

STUB1 (CHIP); STUB1 (CHIP) recombinant protein; CHIP; UBOX1; HSPABP2; NY-CO-7; SDCCAG7; STUB1(CHIP) Protein

PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Sequence Length	1646
Applicable Applications for STUB1 (CHIP) recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	His tag
Expression System	E.coli
Source Note	Recombinant full length human STUB1 (CHIP) was expressed in E. coli cells
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for STUB1 (CHIP) recombinant protein

Recombinant full length human STUB1 (CHIP) was expressed in E. coli cells using an N-terminal His tag.

Scientific Background: CHIP(STUB1) or STIP1 homology and U-box containing protein 1 (also known as E3 ubiquitin protein ligase) is a ubiquitin ligase/cochaperone that participates in protein quality control by targeting a broad range of chaperone protein substrates for degradation (1). CHIP acts as a molecular switch for the degradation of misfolded proteins via the proteasome and lysosome pathways (2). CHIP controls the cellular level of BER enzymes and, correspondingly, the efficiency and capacity of BER. CHIP E3 ubiquitin ligases act sequentially in ER membrane and cytosol to monitor the folding status of CFTR and delF508. CHIP possesses intrinsic E3 ubiquitin ligase activity and promotes ubiquitylation.

Product Categories/Family for STUB1 (CHIP) recombinant protein	Ubiquitin Proteins; Signaling Proteins - Ubiquitin Proteins
References	1. Min, J.-N. et.al: CHIP deficiency decreases longevity, with accelerated aging phenotypes accompanied by altered protein quality control. Molec. Cell. Biol. 28: 4018-4025, 2008. 2. Shin, Y.et.al: The co-chaperone carboxyl terminus of Hsp70-interacting protein (CHIP) mediates alpha-synuclein degradation decisions between proteasomal and lysosomal pathways. J. Biol. Chem. 280: 23727-23734, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56181386
NCBI GeneID	10273
NCBI Accession #	NP_005852.2
NCBI GenBank Nucleotide #	NM_005861
UniProt Accession #	Q9UNE7; O60526; Q969U2; Q9HBT1; A2IDB9
Molecular Weight	~37 kDa
NCBI Official Full Name	Homo sapiens STIP1 homology and U-box containing protein 1, E3 ubiquitin protein ligase (STUB1), mRNA
NCBI Official Synonym Full Names	STIP1 homology and U-box containing protein 1, E3 ubiquitin protein ligase
NCBI Official Symbol	STUB1
NCBI Official Synonym Symbols	CHIP; UBOX1; HSPABP2; NY-CO-7; SDCCAG7
NCBI Protein Information	E3 ubiquitin-protein ligase CHIP; antigen NY-CO-7; CLL-associated antigen KW-8; serologically defined colon cancer antigen 7; STIP1 homology and U box-containing protein 1; carboxy terminus of Hsp70-interacting protein; heat shock protein A binding protein 2 (c-terminal)
UniProt Protein Name	E3 ubiquitin-protein ligase CHIP
UniProt Gene Name	STUB1
UniProt Synonym Gene Names	CHIP
UniProt Entry Name	CHIP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/stub1-recombinant-protein-e-coli-wb-western-blot/72894>