

CHIP recombinant protein

CHIP, 1-303aa, Human, E Coli

CATALOG # AAA48494	HOST E Coli	APPLICATIONS SDS-Page
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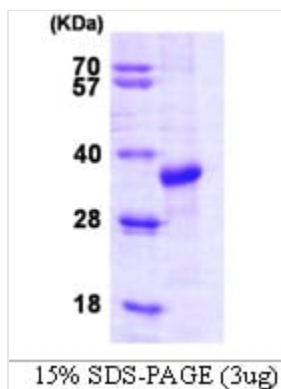
PRODUCT SYNONYMS

CHIP; 1-303aa; Human; E Coli; Carboxy terminus of HSP70 interacting protein; STuB1; HSPABP2; NY-CO-7; SDCCAG7; uBOX1; Carboxy terminus of HSP70 interacting protein Antigen NY CO 7; CLL associated antigen KW 8; Carboxy terminus of Hsp70p interacting protein; E3 ubiquitin protein ligase CHIP; STuB 1; uBOX 1; Heat shock protein A binding protein 2 (c terminal); NY CO 7; Serologically defined colon cancer antigen 7; STIP1 homology and u Box containing protein 1.; CHIP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 5 mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MKGKEEKEGG ARLGAGGGSP EKSPSAQELK EQGNRLFVGR KYPEAAACYG RAITRNPLVA VYYTNRALCY LKMQQHEQAL ADCRRALELD GQSVKAHFFL GQCQLEMESY DEAIANLQRA YSLAKEQRLN FGDDIPSALR IAKKKRWNSI EERRIHQESE LHSYLSRLIA AERERELEEC QRNHEGDEDD SHVRAQQACI EAKHDKYMAD MDELF SQVDE KRKKRDIPDY LCGKISFELM REPCITPSGI TYDRKDIEEH LQRVGHFDPV TRSPLTQEQL IPNLAMKEVI DAFISENGWV EDY
Sequence Length	303
Applicable Applications for CHIP recombinant protein	SDS-PAGE
Antigen Species	Human
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CHIP recombinant protein	CHIP, also known as STuB1, is a cytoplasmic protein whose amino acid sequence is highly conserved across species. CHIP interacts with the molecular chaperones Hsc70-Hsp70 and Hsp90 through its TPR domain, whereas its u-box domain contains its E3 ubiquitin ligase activity. Its interaction with these molecular chaperones results in client substrate ubiquitylation and degradation by the proteasome. Thus, CHIP acts to tilt the folding-refolding machinery toward the degradative pathway, and it serves as a link between the two. Recombinant human CHIP protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CHIP recombinant protein	Heat Shock Proteins
References	Kajiro M., et al. (2009) Nat Cell Biol. 11 (3):312-9.; Ko HS., et al. (2009) Proc Natl Acad Sci. 106 (8):2897-902.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	56181387
NCBI GeneID	10273
NCBI Accession #	NP_005852
NCBI GenBank Nucleotide #	NM_005861.3
UniProt Accession #	Q9UNE7; O60526; Q969U2; Q9HBT1; A2IDB9
Molecular Weight	34.8 kDa (303 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	E3 ubiquitin-protein ligase CHIP isoform a
NCBI Official Synonym Full Names	STIP1 homology and U-box containing protein 1
NCBI Official Symbol	STUB1
NCBI Official Synonym Symbols	CHIP; UBOX1; SCAR16; HSPABP2; NY-CO-7; SDCCAG7
NCBI Protein Information	E3 ubiquitin-protein ligase CHIP
UniProt Protein Name	E3 ubiquitin-protein ligase CHIP
UniProt Gene Name	STUB1

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.