

CHIP, 1-303aa, Human, Recombinant, E.coli

Cat.NO.: TP01605

3th Edition

Synonyms: Carboxy terminus of HSP70 interacting protein, STUB1, HSPABP2, NY-CO-7, SDCCAG7, UBOX1

Description: 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.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 5 mM DTT, 10% glycerol

Molecular Weight: 34.8 kDa (303 aa), confirmed by MALDI-TOF

Sequences:

MKGKEEKEGGARLGAGGGSPEKSPSAQELKEQGNRLFVGRKYPEAAACYGRAITRNPLVAVYYTNRALCYLKMQ
QHEQALADCRRALDGGQSVKAHFFLGQCQLEMESYDEAIANLQRAYSLAKEQRLNFGDDIPSALRIAKKKRWNSI
EERRIHQSELSYLSRLIAAERERELEECQRNHEGDEDDSHVRAQQACIEAKHDKYMADMDELFSQVDEKRKKR
DIPDYLCGKISFELMREPCITPSGITYDRKDIEEHLQRVGHFDPVTRSPLTQEQLIPNLAMKEVIDAFISENGWVEDY

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.