Datasheet for ABIN1097595

STUB1 Protein (AA 1-303)

Go to Product page

Overview

Quantity:	50 µg
Target:	STUB1
Protein Characteristics:	AA 1-303
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human E3 Ubiquitin-Protein Ligase CHIP/CHIP
Sequence:	MKGKEEKEGG ARLGAGGGSP EKSPSAQELK EQGNRLFVGR KYPEAAACYG RAITRNPLVA VYYTNRALCY LKMQQHEQAL ADCRRALELD GQSVKAHFFL GQCQLEMESY DEAIANLQRA YSLAKEQRLN FGDDIPSALR IAKKKRWNSI EERRIHQESE LHSYLSRLIA AERERELEEC QRNHEGDEDD SHVRAQQACI EAKHDKYMAD MDELFSQVDE KRKKRDIPDY LCGKISFELM REPCITPSGI TYDRKDIEEH LQRVGHFDPV TRSPLTQEQL IPNLAMKEVI DAFISENGWV EDY
Characteristics:	Recombinant Human E3 Ubiquitin-Protein Ligase CHIP/CHIP is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Tyr303) of Human CHIP.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	STUB1
Alternative Name:	chip (STUB1 Products)
Background:	E3 Ubiquitin-Protein Ligase CHIP is a cytoplasmic protein. CHIP is highly expressed in skeletal muscle, heart, pancreas, brain and placenta. CHIP interacts with the molecular chaperones Hsc70-Hsp70 and Hsp90 through its TPR domain, lead to in client substrate ubiquitylation and degradation by the proteasome. CHIP targets misfolded chaperone substrates towards proteasomal degradation. CHIP mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. CHIP plays a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF-BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. It also may regulate the receptor stability and activity through proteasomal degradation. Alternative Names: E3 Ubiquitin-Protein Ligase CHIP, Antigen NY-CO-7, CLL-Associated Antigen KW-8, Carboxy Terminus of Hsp70-Interacting Protein, STIP1 Homology and U Box-Containing Protein 1, STUB1, CHIP
Molecular Weight:	34.86 kDa
UniProt:	Q9UNE7
Pathways:	Regulation of Hormone Metabolic Process, Response to Water Deprivation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Handling

Expiry Date:	6 months

