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## Datasheet for ABIN7318418 **STUB1 Protein**

### Overview

Quantity:	50 µg
Target:	STUB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human STUB1 Protein
Sequence:	Met 1-Tyr303
Characteristics:	Recombinant Human E3 Ubiquitin-Protein Ligase CHIP is produced by our E.coli expression system and the target gene encoding Met1-Tyr303 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	STUB1
Alternative Name:	STUB1 ( <a href="#">STUB1 Products</a> )
Background:	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

## Target Details

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.

Synonym: 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: 34.9 kDa

UniProt: [Q9UNE7](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Response to Water Deprivation](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.