

Datasheet for 009-001-T64S**STUB1 (CHIP) protein-HIS Epitope****Overview**

Description:	STUB1 (CHIP) recombinant protein-HIS Epitope - 009-001-T64S
Item No.:	009-001-T64S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	CHIP (STUB1) or STIP1 homology and U-box containing protein 1 (also known as E3 ubiquitin protein ligase) is an 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. STUB1 Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cell Cycle, Cellular Stress, Cytoplasmic Tyrosine Kinases, and Metabolic Disorder research.
Synonyms:	CHIP, UBOX1, HSPABP2, NY-CO-7, SDCCAG7, 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, PP1131
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	STUB1
Purity/Specificity:	Recombinant full length human STUB1 (CHIP) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - NM_005861

Application Details

Application Note:	STUB1 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. STUB1 Protein is suitable for use in Western Blot. Expect a band approximately ~37kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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