

Datasheet for ABIN6700569
STUB1 Protein (His tag)



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Overview

Quantity:	20 µg
Target:	STUB1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This STUB1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	STUB1 (CHIP) recombinant protein-HIS Epitope
Purification:	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.
Purity:	>95%

Target Details

Target:	STUB1
Alternative Name:	STUB1 (STUB1 Products)
Background:	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 Background: CHIP (STUB1) or STIP1 homology and U-box containing protein 1 (also known as

Target Details

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.

NCBI Accession: [NM_005861](#)

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

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: STUB1 Protein is suitable for use in Western Blot. Expect a band approximately ~37 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1 µg/µL

Buffer: STUB1 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months