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## Produktinformation



Forschungsprodukte & Biochemikalien



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet for 009-001-T64S

**STUB1 (CHIP) protein-HIS Epitope****Overview**

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

**Product Details**

<b>Background:</b>	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.
<b>Synonyms:</b>	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
<b>Species of Origin:</b>	Human
<b>Expressed in:</b>	E. coli
<b>Type:</b>	Recombinant Protein

**Target Details**

<b>Gene Name:</b>	STUB1
<b>Purity/Specificity:</b>	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.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">NCBI - NM_005861</a></li></ul>

## 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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

