

Datasheet for 009-001-S68S**p63 protein-GST fusion****Overview**

Description:	p63 recombinant protein-GST fusion protein - 009-001-S68S
Item No.:	009-001-S68S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	p63 is the primordial member of the p53 family that acts in a conserved process of monitoring the integrity of the female germline, whereas the functions of p53 are restricted to vertebrate somatic cells for tumor suppression. p63 protein plays an important role in the development and maintenance of stratified epithelial tissues (1). p63 is critical for maintaining the progenitor-cell populations that are necessary to sustain epithelial development and morphogenesis (2). Mutations in p63 are associated with ectodermal dysplasia, cleft lip/palate syndrome 3 (EEC3) and split-hand/foot malformation 4 (SHFM4). p63 Protein is ideal for investigators involved in Signaling Proteins, Cell Cycle Proteins, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Cell Cycle, Cellular Stress, Inflammation, JNK/SAPK Pathway, Metabolic Disorder, Neurobiology, and p38 Pathway research.
Synonyms:	TP63, AIS, B, p51A, B, p51B, EEC3, KET, LMS, NBP, OFC8, p40, p51, p53CP, p73H, p73L, RHS, SHFM4, TP53CP, TP53L, TP73L, Tumor protein 63, p63, Chronic ulcerative stomatitis protein, CUSP, Keratinocyte transcription factor KET, Transformation-related protein 63, TP63, Tumor protein p73-like, p73L, p40, p51
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	TP63
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Purity/Specificity: Full-length recombinant human p63 was expressed by baculovirus in Sf9 cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.

Relevant Links:

- [NCBI - NM_001114980](#)

Application Details

Application Note: p63 Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. p63 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~92kDa 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: 0.2 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.