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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet for 009-001-U16S**TP53RK protein-GST fusion****Overview**

Description:	TP53RK recombinant protein-GST fusion protein - 009-001-U16S
Item No.:	009-001-U16S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	TP53RK or TP53 regulating kinase and also called PRPK (p53-related protein kinase) is the human homologue of yeast Bud32. TP53RK belongs to a small subfamily of atypical protein kinases. TP53RK is expressed in interleukin-2-activated cytotoxic T-cells, epithelial tumor cell lines, and the testes and lower expression of TP53RK is found in heart, kidney, and spleen (1). PRPK interacts with CGI-121 and co-precipitation of p53 with PRPK is inhibited by adding recombinant CGI-121 in vitro. CGI-121 may act as an inhibitor of the PRPK-p53 interaction (2). TP53RK is activated by another kinase, Akt/PKB, which phosphorylates TP53RK at Ser250. TP53RK Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Cell Cycle, Cellular Stress, Inflammation, JNK/SAPK Pathway, Metabolic Disorder, Neurobiology, and p38 Pathway research.
Synonyms:	BUD32, C20orf64, dJ101A2, Nori-2, Nori-2p, TP53-regulating kinase, Atypical serine/threonine protein kinase TP53RK, EKC/KEOPS complex subunit TP53RK, Nori-2, p53-related protein kinase, TP53RK, C20orf64, PRPK
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	TP53RK
Purity/Specificity:	Recombinant full-length human TP53RK was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.

Relevant Links: • [NCBI - NM_033550](#)

Application Details

Application Note:	TP53RK 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. TP53RK Protein is suitable for use in Western Blot. Expect a band approximately ~55kDa 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.

