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Datasheet for 009-001-S71S

p73 beta protein-GST fusion

Overview

Description:	p73 beta recombinant protein-GST fusion protein - 009-001-S71S
Item No.:	009-001-S71S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	p73β is a member of the p53 family of transcription factors involved in cellular responses to stress and development. The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors. P73β is strongly involved in malignancy acquisition and maintenance (1). p73 is a stress-response gene that activates transcription of p53-responsive genes and inhibits cell growth in a p53-like manner by inducing apoptosis (2). p73 is a component of a mismatch repair-dependent apoptosis pathway, which contributes to cisplatin-induced cytotoxicity. The regulation of p73 by c-Abl in response to DNA damage was also demonstrated by a failure of ionizing radiation-induced apoptosis after disruption of c-Abl-p73 interaction. p73β 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:	TP73, TAp73alpha, Tumor protein p73, p53-like transcription factor, p53-related protein
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	TP73
Purity/Specificity:	Full-length recombinant human p73β was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.

Relevant Links:	• UniProtKB - O15350-2

Application Details

Application Note:	p73β 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. p73β Protein is suitable for use in Western Blot. Expect a band approximately ~88kDa 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.

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