

Datasheet for ABIN6700338 **p73 beta Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	p73 beta (TP73 beta)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This p73 beta protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	p73 beta recombinant protein-GST fusion protein
Purification:	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.
Purity:	>95%

Target Details

Target:	p73 beta (TP73 beta)
Alternative Name:	p73 beta (TP73 beta Products)
Background:	Synonyms: TP73, TAp73alpha, Tumor protein p73, p53-like transcription factor, p53-related protein Background: p73β is a member of the p53 family of transcription factors involved in cellular

Target Details

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. P73 β 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. p73 β 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.

UniProt: [O15350-2](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: p73 β Protein is suitable for use in Western Blot. Expect a band approximately ~88 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: 0.2 μ g/ μ L

Buffer: p73 β Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 $^{\circ}$ C

Storage Comment: Store product at -70 $^{\circ}$ 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