

Datasheet for ABIN6700342

p73 alpha Protein (GST tag)



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Overview

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

Product Details

Purpose:	p73 alpha recombinant protein-GST fusion protein
Purification:	Full-length recombinant human p73α 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.
Purity:	>90%

Target Details

Target:	p73 alpha (TP73 alpha)
Alternative Name:	p73 alpha (TP73 alpha Products)
Background:	<p>Synonyms: TP73, TAp73alpha, Tumor protein p73, p53-like transcription factor, p53-related protein</p> <p>Background: p73α is a member of the p53 family of transcription factors that are involved in</p>

Target Details

cellular responses to stress and development. P73 has high sequence similarity to p53 and p63, which allows p63 and p73 to transactivate p53-responsive genes causing cell cycle arrest and apoptosis. P73 is a stress-response gene and a downstream effector in the p53 pathway (1). The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors. p73 is the components of a mismatch repair-dependent apoptosis pathway which contributes to cisplatin-induced cytotoxicity (2). p73α 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.

NCBI Accession: [NM_005427](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Kinase Assay-User Optimized
Application_Note: p73α Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~110 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 µg/µL

Buffer: p73α 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 °C

Storage Comment: 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.

Expiry Date: 12 months