

Recombinant Human p73 alpha protein ab101716

1 Image

Description

Product name	Recombinant Human p73 alpha protein
Purity	> 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected insect cells
Accession	<u>O15350</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	

MAQSTATSPDGGTTFEHLWSSLEPDSTYFDLPQSSRGNN
EVVGGTDSSMD
VFHLEGMTTSVMAQFNLLSSTMDQMSSRAASASPYTPEH
AASVPTHSPYA
QPSSTFDTMSPAPVIPSNTDYPGPHHFEVTFQQSSTAKSA
TWTYSPLKK
LYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAEHVTDVVK
RCPNHELG
RDFNEGQSAPASHLIRVEGNNLSQYVDDPVTGRQSVVVP
YEPPQVGTEFT
TILYNFMCNSSCVGGMNRRPILIIITLEM RDGQVLGRRSFEG
RICACPGR
DRKADEDHYREQQALNESSAKNGAASKRAFKQSPPAVP
ALGAGVKKRRHG
DEDTYYLQVRGRENFEILMKLKESLELMELVPQPLVDSYR
QQQQLLQRPS
HLQPPSYGPVLSPMNKVHGGMNKLPSVNQLVGQPPPHS
SAATPNLGVPGP
GMLNNHGHAVPANGEMSSSHSAQSMVSGSHCTPPPPYH
ADPSLVSFLTGL
GCPNCIEYFTSQGLQSMHLQNLTIEDLGALKIPEQYRMTIW
RGLQDLKQ
GHDYSTAQQLLRSSNAATISIGGSGELQRQRVMEAVHFRV
RHTITIPNRG
GPGGGPDEWADFGFDLPDCKARKQPIKEEFTEAEIH

Predicted molecular weight	110 kDa including tags
Amino acids	1 to 636
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab101716** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

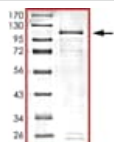
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
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General Info

Function	Participates in the apoptotic response to DNA damage. Isoforms containing the transactivation domain are pro-apoptotic, isoforms lacking the domain are anti-apoptotic and block the function of p53 and transactivating p73 isoforms. May be a tumor suppressor protein.
Tissue specificity	Expressed in striatal neurons of patients with Huntington disease (at protein level). Brain, kidney, placenta, colon, heart, liver, spleen, skeletal muscle, prostate, thymus and pancreas. Highly expressed in fetal tissue.
Sequence similarities	Belongs to the p53 family. Contains 1 SAM (sterile alpha motif) domain.
Domain	Possesses an acidic transactivation domain, a central DNA binding domain and a C-terminal oligomerization domain that binds to the ABL tyrosine kinase SH3 domain. The WW-binding motif mediates interaction with WWOX.
Post-translational modifications	Isoform alpha (but not isoform beta) is sumoylated on Lys-627, which potentiates proteasomal degradation but does not affect transcriptional activity. Higher levels of phosphorylation seen in the brain from patients with Huntington disease. Ubiquitinated; leading to its degradation by the proteasome.
Cellular localization	Nucleus. Accumulates in the nucleus in response to DNA damage.

Images



SDS-PAGE - Recombinant Human p73 alpha protein
(ab101716)

The purity of ab101716 was determined to be 90% by densitometry.

Approximate MWt: 110kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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