

Product datasheet

Recombinant Human p73 beta protein ab102553

1 Image

Description

Product name	Recombinant Human p73 beta protein
Purity	> 90 % SDS-PAGE. Purity was determined to be >90% by densitometry.
Expression system	Baculovirus infected Sf9 cells
Accession	O15350-2
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	88 kDa including tags
Amino acids	1 to 499

Specifications

Our [Abpromise guarantee](#) covers the use of **ab102553** 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 Western blot
---------------------	--------------------------

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
------------------------------	--

General Info

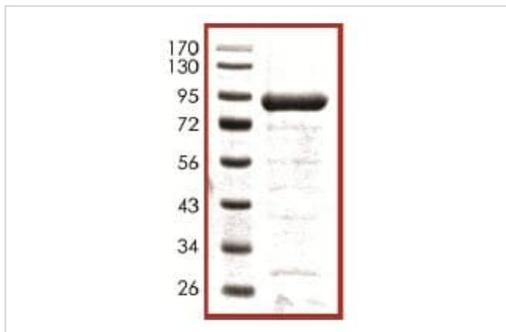
Relevance	The p73 exhibits sequence homology to the p53's transcriptional activation, DNA binding, and
------------------	--

oligomerization domains. However, adenovirus E1B 55K, simian virus 40 T, and human papillomavirus E6 do not physically interact with p73 indicating that the functions of these two proteins may differ under physiological conditions. Significant homology between p53, p63, and p73 (approximately 63% amino acid identity in the DNA binding domain suggest that they may have overlapping functions in the regulation of gene expression. p73 is expressed in either a full length form (a) (MW ~80kD) or a shorter (b) (MW ~70kD) mRNA variant, with exon 13 spliced out. Transient overexpression of p73 in cells can induce apoptosis and p21, a cellular p53 target gene primarily responsible for p53 dependent cell cycle arrest. The targeted disruption of p73 gene leads to defects hippocampal dysgenesis, hydrocephalus, chronic inflammation and infections. p73 is upregulated in a significant fraction of anaplastic thyroid cancers, whereas it is not detectable in normal thyroid epithelial cells nor in papillary or follicular thyroid cancer.

Cellular localization

Nuclear

Images



SDS-PAGE showing ab102553 at approximately 88kDa.

SDS-PAGE - Recombinant Human p73 beta protein
(ab102553)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors