

Product datasheet

Recombinant Human p73 beta protein ab102553

1 Image

Overview

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<b>Product name</b>	Recombinant Human p73 beta protein
<b>Protein length</b>	Full length protein

Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Baculovirus infected Sf9 cells

Amino Acid Sequence

<b>Accession</b>	<a href="#">O15350-2</a>
<b>Species</b>	Human
<b>Molecular weight</b>	88 kDa including tags
<b>Amino acids</b>	1 to 499

Specifications

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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.

<b>Applications</b>	SDS-PAGE Western blot
<b>Purity</b>	> 90 % SDS-PAGE. Purity was determined to be >90% by densitometry.
<b>Form</b>	Liquid

Preparation and Storage

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<b>Stability and Storage</b>	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, 0.87% Sodium chloride
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## General Info

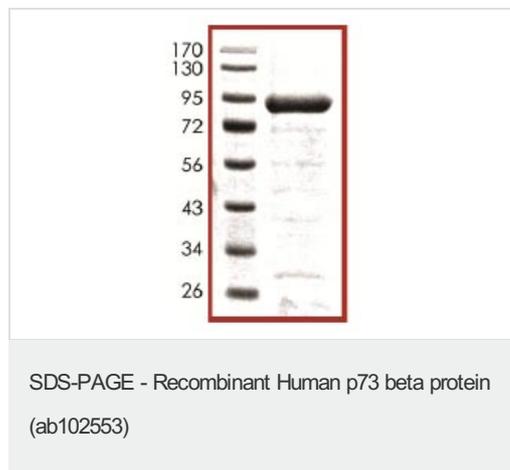
### Relevance

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.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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