

## Product datasheet

# Recombinant Human 14-3-3 zeta protein ab87361

[2 References](#) [1 Image](#)

### Description

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<b>Product name</b>	Recombinant Human 14-3-3 zeta protein
<b>Purity</b>	> 95 % SDS-PAGE. Purified by using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P63104</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDK NELVQKAKLA EQAERYDDMA ACMKSVTEQG AELSNEERNL LSVAYKNVVG ARRSSWRVVS SIEQKTEGAE KKQQMAREYR EKIETELRDI CNDVLSLLEK FLIPNASQAE SKVFYLMKMG DYRYLAEVA AGDDKKGVD QSQQAYQAEF EISKKEMQPT HPIRLGLALN FSVFYEILN SPEKACSLAK TAFDEAIAEL DTLSEESYKD STLIMQLLRD NLTLWTSDTQ GDEAEAGEGG EN
<b>Predicted molecular weight</b>	32 kDa
<b>Amino acids</b>	1 to 245

### Specifications

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Our **Abpromise guarantee** covers the use of **ab87361** 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
<b>Form</b>	Liquid

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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pH: 7.40  
Constituent: PBS

## General Info

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<b>Function</b>	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.
<b>Sequence similarities</b>	Belongs to the 14-3-3 family.
<b>Post-translational modifications</b>	The delta, brain-specific form differs from the zeta form in being phosphorylated (By similarity). Phosphorylation on Ser-184 by MAPK8; promotes dissociation of BAX and translocation of BAX to mitochondria. Phosphorylation on Ser-58 by PKA; disrupts homodimerization and heterodimerization with YHAE and TP53. This phosphorylation appears to be activated by sphingosine. Phosphorylation on Thr-232; inhibits binding of RAF1.
<b>Cellular localization</b>	Cytoplasm. Melanosome. Located to stage I to stage IV melanosomes.

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## Images

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ab87361 on 15% SDS-PAGE (3µg)

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

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- Replacement or refund for products not performing as stated on the datasheet
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