abcam

Product datasheet

Recombinant Human 14-3-3 Theta + Tau protein ab116444

1 Image

Description

Product name	Recombinant Human 14-3-3 Theta + Tau protein
Purity	> 80 % Purified via His tag. ab116444 was purified via Ni^{2+}-NTA agarose columns.
Expression system	Escherichia coli
Accession	P27348
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMEK TELIQKAKLAEQA ERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGG RRSAWRVISSIE QKTDTSDKKLQLIKDYREKVESELRSICTTVLELLDKYLIAN ATNPESKV FYLKMKGDYFRYLAEVACGDDRKQTIDNSQGAYQEAFDIS KKEMQPTHPI RLGLALNFSVFYYEILNNPELACTLAKTAFDEAIAELDTLNE DSYKDSTL IMQLLRDNLTLWTSDSAGEECDAAEGAEN
Predicted molecular weight	31 kDa including tags
Amino acids	1 to 245
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab116444** in the following tested applications.

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

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF-TOF

Form	Liquid
Additional notes	ab116444 was alkylated, digested with trypsin and the mass of the resultant peptides determined by MADLI-TOF/TOF mass spectrometry. The peptides obtained gave 64 % sequence coverage of 14-3-3 tau + theta. Theoretical pI: 5.2

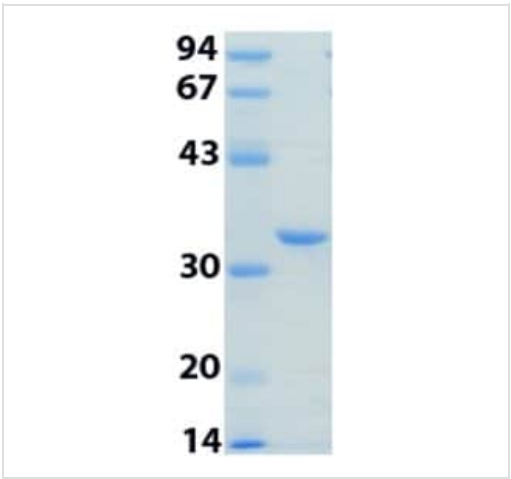
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -20ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.012% Benzamidine, 0.004% PMSF, 0.02% DTT, 0.6% HEPES, 50% Glycerol

General Info

Function	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.
Tissue specificity	Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta. Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis (ALS) compared with controls, with highest levels of expression in individuals with predominant lower motor neuron involvement.
Sequence similarities	Belongs to the 14-3-3 family.
Post-translational modifications	Ser-232 is probably phosphorylated by CK1.
Cellular localization	Cytoplasm. In neurons, axonally transported to the nerve terminals.

Images



SDS-PAGE - Recombinant Human 14-3-3 Theta + Tau protein (ab116444)

12% SDS-PAGE gel showing ab116444.

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- 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

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