

Product datasheet

Recombinant Human 14-3-3 Tau protein ab116444

1 图像

概述

产品名称	重组人14-3-3 Tau蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli
氨基酸序列	
Accession	P27348
种属	Human
序列	<p>MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMEKTEL IQKAKLAEQA ERYDDMATCMKAVTEQGAELSNEERNLLSVAYKNVVGRR SAWRVISSIE QKTDTSDKKLQLIKDYREKVESELRSICTTVLELLDKYLI ANATNPESKV FYLKMKGDFRYLAEVACGDDRKQTIDNSQGAYQEAFDIS KKEMQPTHPI RLGLALNFSVFYYEILNPELACTLAKTAFDEAIAELDTL NEDSYKDSTL IMQLLRDNLTLWTSDSAGEECDAAEGAEN</p>
分子量	31 kDa including tags
氨基酸	1 to 245
标签	His tag N-Terminus

技术指标

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.

应用	Mass Spectrometry SDS-PAGE
质谱法	MALDI-TOF-TOF
纯度	> 80 % Purified via His tag.

ab116444 was purified via Ni²⁺-NTA agarose columns.

形式

Liquid

补充说明

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 theta. Theoretical pI: 5.2

制备和贮存

稳定性和存储

Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituents: 0.6% HEPES, 0.02% DTT, 50% Glycerol, 0.004% PMSF, 0.012% Benzamidine

常规信息

功能

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. Negatively regulates the kinase activity of PDPK1.

组织特异性

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.

序列相似性

Belongs to the 14-3-3 family.

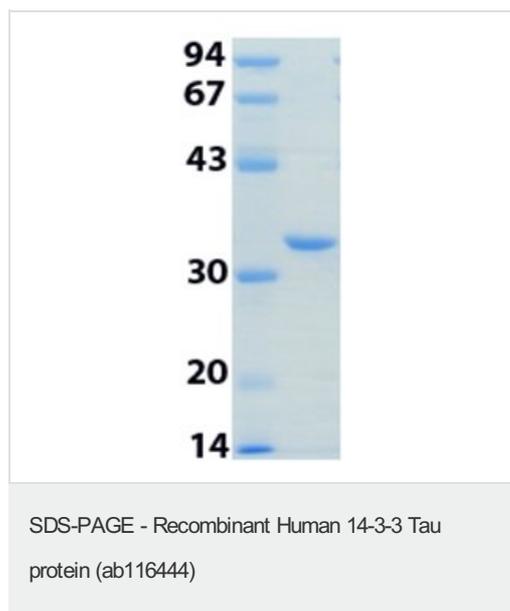
翻译后修饰

Ser-232 is probably phosphorylated by CK1.

细胞定位

Cytoplasm. In neurons, axonally transported to the nerve terminals.

图片



12% SDS-PAGE gel showing ab116444.

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