abcam

Product datasheet

Recombinant Human Tau410 protein ab72462

1 Image

Description

Product name Recombinant Human Tau410 protein

Purity > 90 % Densitometry.

Expression system Escherichia coli

Accession P10636-5

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence MAEPRQEFEVMEDHAGTYGLGDRKDQGGYTMHQDQEG

DTDAGLKESPLQT

PTEDGSEEPGSETSDAKSTPTAEDVTAPLVDEGAPGKQ

AAAQPHTEIPEG

TTAEEAGIGDTPSLEDEAAGHVTQARMVSKSKDGTGSDD

KKAKGADGKTK

IATPRGAAPPGQKGQANATRIPAKTPPAPKTPPSSGEPPK

SGDRSGYSSP

GSPGTPGSRSRTPSLPTPPTREPKKVAVVRTPPKSPSSA

K SRLQTAPV

PMPDLKNVKSKIGSTENLKHQPGGGKVQIVYKPVDLSKVT

SKCGSLGNIH

HKPGGGQVEVKSEKLDFKDRVQSKIGSLDNITHVPGGGN

KKIETHKLTFR

ENAKAKTDHGAEIVYKSPVVSGDTSPRHLSNVSSTGSIDM

VDSPQLATLA DEVSASLAKQGL

Amino acids 1 to 410

Additional sequence information This is full length isoform P10636-5, Tau-C.

Specifications

Our Abpromise quarantee covers the use of ab72462 in the following tested applications.

Western blot

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

Applications

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SDS-PAGE

Form Liquid

Additional notes This protein is full-length isoform 5, Isoform Tau-C.

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: 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 25% Glycerol (glycerin,

glycerine), 0.87% Sodium chloride

General Info

Relevance Tau410 or Tau C is a member of the Tau family of proteins. Tau proteins promote microtubule

assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the

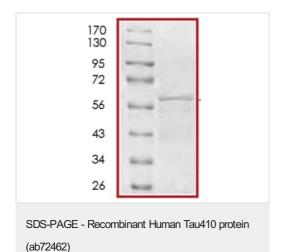
longer isoforms may preferentially play a role in its stabilization.

Cellular localization Cytoplasm, cytosol. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell

projection, axon. Mostly found in the axons of neurons, in the cytosol and in association with

plasma membrane components.

Images



SDS-PAGE showing ab72462 at approximately 61kDa.

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