

Product datasheet

Recombinant human TTBK1 protein (Tagged)
ab271775

2 Images

Description

Product name	Recombinant human TTBK1 protein (Tagged)
Biological activity	Assay Conditions: Assay was done in a Kinase buffer using MBP (0.1 mg/ml) as a substrate with 20 µM ATP at 30°C for 45 min. The amount of ATP transferred was calculated using Kinase-Glo reagent.
Purity	>= 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	Q5TCY1
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MQCLAAALKD ETNMSGGGEQ ADILPANYVV KDRWKVLKKI GGGGFGEIYE AMDLLTRENV ALKVESAQQP KQVLKMEVAV LKKLQGKDHV CRFIGCGRNE KFNYYVMQLQ GRNLADLRRS QPRGTFTLST TLRLGKQILE SIEAIHSVGF LHRDIKPSNF AMGRLPSTYR KCYMLDFGLA RQYNTTTGDV RPPRNVAGFR GTVRYASVNA HKNREMGRHD DLWLSFYMLV EFAVGQLPWR KIKDKEQVGM IKEKYEHRML LKHMPSEFHL FLDHIASLDY FTKPDYQLIM SVFENSMKER GIAENEAFDW EKAGTDALLS TSTSTPPQQN TRQTAAMFGV VNVTPVPGDL LRENTEDVLQ GEHLSDQENA PPILPGRPSE GLGSPHLPV HPGGPEAEVW EETDVNRNKL RINIGKSPCV EEEQSRGMGV PSSPVRAPPD SPTTPVRSLR YRRVNSPESE RLSTADGRVE LPERRSRMD</p>
Predicted molecular weight	81 kDa including tags
Amino acids	1 to 479
Tags	His tag C-Terminus , GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab271775** in the following tested applications.

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

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine), 0.06% Glutathione

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

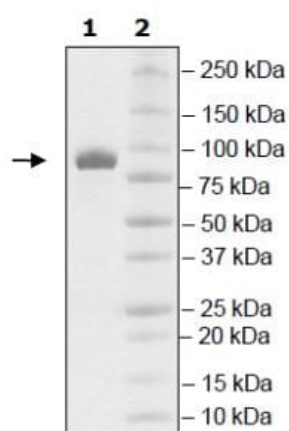
Function Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU.

Tissue specificity Expressed in the brain, particularly in cortical and hippocampal neurons. Weakly expressed in spinal cord and testis. No expression in adipose tissue, bladder, cervix, colon, esophagus, heart, kidney, liver, lung, ovary, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus, thyroid or trachea.

Sequence similarities Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Contains 1 protein kinase domain.

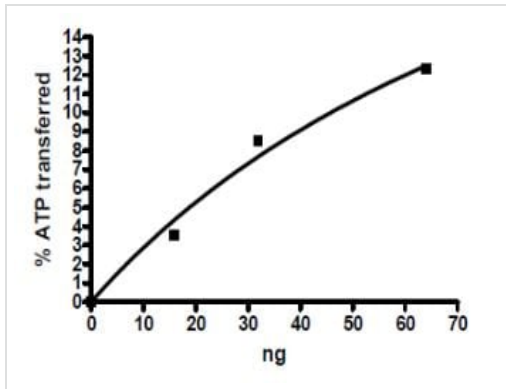
Cellular localization Cytoplasm.

Images



SDS-PAGE analysis of ab271775.

SDS-PAGE - Recombinant Human TTBK1 protein
(Tagged) (ab271775)



Specific activity of ab271775.

Functional Studies - Recombinant human TTBK1 protein (Tagged) (ab271775)

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

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