

Recombinant human Tau 383 (0N4R)/MAPT protein

Catalog Number: ATGP0795

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-383aa

UniProt No.

P10636

NCBI Accession No.

NP_058518

Alternative Names

microtubule-associated protein tau isoform 3, tau-D, Neurofibrillary tangle protein, Paired helical filament-tau, PHF-tau, G protein beta1/gamma2 subunit-interacting factor 1, protein phosphatase 1 regulatory subunit 103, MTBT1, PPND, FTDP-17, TAU, MSTD, MTBT2, FLJ31424, MGC138549, PPP1R103, tau-40, DDPAC, MAPTL

PRODUCT SPECIFICATION

Molecular Weight

42.1 kDa (403aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Tau, also known as microtubule-associated protein tau (MAPT), is a protein that stabilizes microtubules. It is abundant in neurons in the central nervous system and is less common elsewhere. When this protein is defective, and no longer stabilizes microtubules properly, it can result in dementias, such as Alzheimer's disease. Recombinant human Tau protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography.

Amino acid Sequence

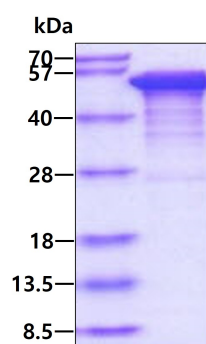
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 PKSGDRSGYS SPGSPGTPGS RSRTPSLPTP PTREPKKVAV VRTPPKSPSS AKSRLQTAPV PMPDLKNVKS KIGSTENLKH
 QPGGGKVQII NKKLDLSNVQ SKCGSKDNIK HVPGGGGSVQI VYKPDLSKV TSKCGSLGNI HHKPGGGQVE VKSEKLDKFD
 RVQSKIGSLD NITHVPGGGN KKIETHKLTF RENAKAKTDH GAEIVYKSPV VSGDTSRHL SNVSSTGSID MVDSPQLATL
 ADEVSASLAK QGL

General References

Cross D., et al. (1993), J Cell Sci, 105: 51-60.
 Lubke u., et al. (1994), Am. J. Pathol, 145: 175-188

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.