9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MAPT Human 383a.a.

Microtubule-Associated Protein Tau 383 a.a. Human Recombinant
RCP1324

Product Overview

Name	MAPT Human 383a.a.

Description

Microtubule-Associated Protein Tau 383 a.a. Human Recombinant

Accession (Primary)	P10636

Synonyms

Microtubule-associated protein tau, Neurofibrillary tangle protein, Paired helical filament-tau, PHF-tau, MAPT, MAPTL, MTBT1, TAU, MSTD, PPND, DDPAC, MTBT2, FTDP-17, FLJ31424, MGC138549.

Introduction

MAPT is a neuronal microtubule associated protein localized mostly on axons. MAPT promotes tubulin polymerisation and stabilizes microtubules, however it also serves to connect certain signalling pathways to the cytoskeleton. MAPT, in its hyperphosphorylated form, is the main part of paired helical filaments (PHF) and neurofibrillary lesions in Alzheimer''s disease (AD) brain.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The MAPT solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MAEPRQEFEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKAEEAGI GDTPSLEDEA AGHVTQARMV SKSKDGTGSD DKKAKGADGK TKIATPRGAA PPGQKGQANA TRIPAKTPPA PKTPPSSGEP PKSGDRSGYS SPGSPGTPGS RSRTPSLPTP PTREPKKVAV VRTPPKSPSS AKSRLQTAPV PMPDLKNVKS KIGSTENLKH QPGGGKVQII NKKLDLSNVQ SKCGSKDNIK HVPGGGSVQI VYKPVDLSKV

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TSKCGSLGNI HHKPGGGQVE VKSEKLDFKD RVQSKIGSLD NITHVPGGGN KKIETHKLTF RENAKAKTDH GAEIVYKSPV VSGDTSPRHL SNVSSTGSID MVDSPQLATL ADEVSASLAK QGL.

Precautions

MAPT Human 383a.a. is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P10636)