

MAPT 412a.a. Microtubule-Associated Protein Tau 412 a.a. Human Recombinant Protein

Catalog Number: PROTP10636-2

Introduction

Microtubule-associated protein tau (MAPT or Tau) is a protein that stabilizes microtubules. MAPT is abundant in neurons in the central nervous system and is less common elsewhere. When MAPT is defective, and no longer stabilizes microtubules properly, it can result in dementias, such as Alzheimer's disease.

Overview

Product Name	MAPT 412a.a. Microtubule-Associated Protein Tau 412 a.a. Human Recombinant Protein
Description	MAPT Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 432 amino acids (1-412 a.a.) and having a molecular mass of 45.1kDa (Molecular size on SDS-PAGE will appear higher). The MAPT is purified by proprietary chromatographic techniques.
Size	1ug, 5ug, 50ug
Tag	
Form	Sterile Filtered colorless solution.
Source	E. Coli
Formulation	The MAPT solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) and 20% glycerol.

Concentration

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MAEPRQEFV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP
TAEAEAGIG DTPSLEDEAA GHVTQARMVS KSKDGTGSDD KKAAGADGKT KIATPRGAAP PGQKGQANAT RIPA KTPPSSGEPP

KSGDRSGYSS PGSPGTPGSR SRTPSLPTPP TREPKKVAVV RTPPKSPSSA KSRLQTAPVP MPDLKNVSKS IGSTENLKHQ PGGGKVQIIN
KKLDLSNVQS KCGSKDNIKH VPGGGSVQIV YKPVDLSKVT SKCGSLGNIH HKPGGGQVEV KSEKLDFKDR VQSKIGSLDN ITHVPGGGNK
KIETHKLTFR ENAKAKTDHG AEIVYKSPVV SGDTSPRHLS NVSSTGSIDM VDSPQLATLA DEVSASLAKQ GL. [?/description_after_attributes?](#)

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