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## **MAPT Protein (Transcript Variant 6) (His tag)**



Image



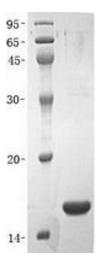
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Overview			
Quantity:	10 μg		
Target:	MAPT		
Protein Characteristics:	Transcript Variant 6		
Origin:	Human		
Source:	Escherichia coli (E. coli)		
Protein Type:	Recombinant		
Purification tag / Conjugate:	This MAPT protein is labelled with His tag.		
Application:	Antibody Production (AbP), Standard (STD)		
Product Details			
Characteristics:	<ul> <li>Recombinant human MAPT / TAU (transcript variant 6) protein expressed in E. coli.</li> <li>Produced with end-sequenced ORF clone</li> </ul>		
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining		
Endotoxin Level:	< 0.1 EU per µg protein as determined by LAL test		
Target Details			
Target:	MAPT		
Alternative Name:	Mapt,tau (MAPT Products)		
Background:	This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts		

## **Target Details**

	are differentially expressed in the nervous system, depending on stage of neuronal maturation
	and neuron type. MAPT gene mutations have been associated with several neurodegenerative
	disorders such as Alzheimer&aposs disease, Pick&aposs disease, frontotemporal dementia,
	cortico-basal degeneration and progressive supranuclear palsy.
Molecular Weight:	15.4 kDa
NCBI Accession:	NP_001116538
Pathways:	MAPK Signaling, Microtubule Dynamics, M Phase, Regulation of Cell Size
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the N-terminal.
Restrictions:	For Research Use only
Handling	
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20 mM Phosphate buffer, 150 mM NaCl, pH 7.4.
	Stable for at least 6 months from date of receipt under proper storage and handling conditions
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.



## **Western Blotting**

Image 1. Validation with Western Blot