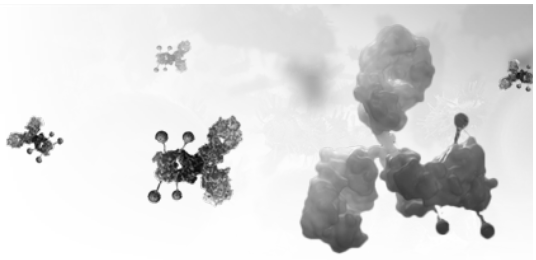

Human MAPT peptide (DAG-P1210)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts 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 Alzheimers disease, Picks disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008]
Specificity	Expressed in neurons. Isoform PNS-tau is expressed in the peripheral nervous system while the others are expressed in the central nervous system.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 4 Tau/MAP repeats.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MAPT microtubule-associated protein tau [Homo sapiens (human)]
Official Symbol	MAPT
Synonyms	MAPT; microtubule-associated protein tau; TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein;

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	microtubule-associated protein tau, isoform 4; G protein beta1/gamma2 subunit-interacting factor 1;
Entrez Gene ID	4137
mRNA Refseq	NM_001123066.3
Protein Refseq	NP_001116538.2
UniProt ID	P10636
Chromosome Location	17q21.1
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; BDNF signaling pathway, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem; IL-2 Signaling pathway, organism-specific biosystem; IL-6 Sig
Function	SH3 domain binding; apolipoprotein binding; enzyme binding; lipoprotein particle binding; microtubule binding; protein binding; protein kinase binding; structural constituent of cytoskeleton;

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