*h*Tau VersaClone cDNA

Catalog Number: RDC1910

Specifications:

Gene:	*h*MAPT
Accession:	NP_058519
Insert size:	2290bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

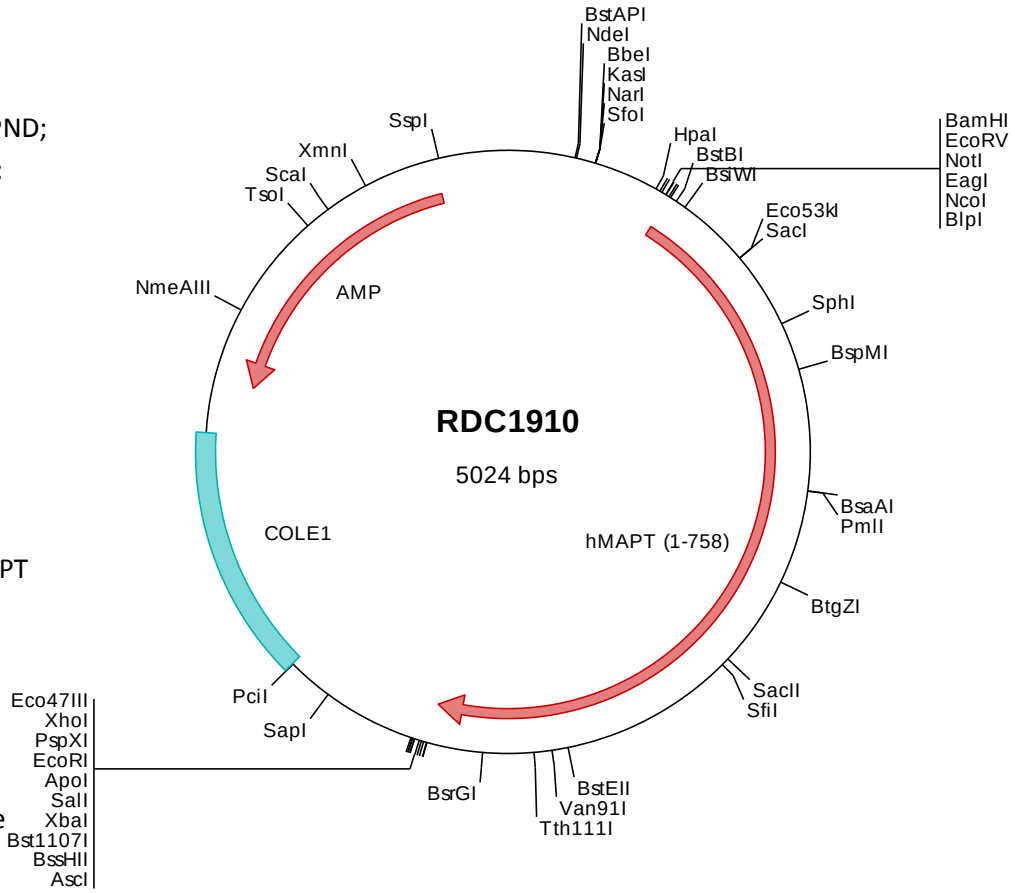
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Tau cDNA Plasmid

MAPT microtubule associated protein tau [*Homo sapiens* (human)]

Also known as: TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; PPP1R103

Summary:
MAPT/Tau is a microtubule-associated protein primarily expressed in neurons. It can associate with microtubules through the carboxy-terminal domains and with the plasma membrane through the amino-terminal projection domain. MAPT has a role as a stabilizer of microtubules. Abnormal MAPT phosphorylation or splicing is associated with various neurological disorders. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC1910 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggctgagc cccgccagga gttcgaagtg atggaagatc acgctgggac
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 601  cccactgagg acggatctga ggaaccgggc tctgaaacct ctgatgctaa gagcactcca acagcggaag atgtgacagc acccttagtg gatgagggag
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 801  agctgctggt catgtgaccc aagagcctga aagtggtaag gtggtccagg aaggcttcct ccgagagcca ggcccccccag gtctgagcca ccagctcatg
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1901  acgccaccag gattccagca aaaaccccgc ccgctccaaa gacaccaccc agctctggtg aacctccaaa atcaggggat cgcagcggct acagcagccc
2001  cggctcccca ggcactcccg gcagccgctc ccgcaccccg tcccttccaa ccccacccac ccgggagccc aagaaggtgg cagtggtccg tactccaccc
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2801  tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag
2901  tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag
3001  aggcggtttg cgtattgggc gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg
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> RDC1910 Translated Insert Sequence

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 201  pplkgaggke rpgskeevde drdvdesspq dsppskaspa qdgrppqtaa reatsipgfp aegaiplpvd flskvsteip asepdgpsvg rakgqdaple
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 701  aktdhgaeiv ykspvvsgdt sprhlsnvss tgsidmvdsp qlatladevs aslakqgl
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