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Product datasheet for MC201693

Tubb3 (NM_023279) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubb3 (NM_023279) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tubb3
Synonyms:	3200002H15Rik; M(beta)3; M(beta)6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC031357 sequence for NM_023279 GCTGTCCGCCTGCCTTTTCGTCTCTAGCCGCGTGAAGTCAGCATGAGGGAGATCGTGCACATCCAGGCCG GCCAGTGCGGCAACCAGATAGGGGCCAAGTTCTGGGAGGTCATCAGCGATGAGCACGGCATAGACCCCAG CGGCAACTATGTAGGGGACTCAGACCTGCAGCTGGAGCGCATCAGCGTATACTACAATGAGGCCTCCTCT CACAAGTATGTGCCCAGGGCCATTCTGGTGGACTTGGAACCTGGAACCATGGACAGTGTTCGGTCTGGCG CCTTTGGACACCTATTCAGGCCCGACAACTTTATCTTTGGTCAGAGTGGTGCTGGCAACAACTGGGCCAA AGGGCACTATACGGAGGGCGCGGAGCTGGTGGACTCAGTCCTAGATGTCGTGCGGAAAGAGTGTGAGAAT TGTGACTGCCTGCAGGGCTTCCAGCTGACACACTCACTGGGTGGGGGCACAGGCTCAGGCATGGGCACAC TGCTCATCAGCAAGGTGCGTGAGGAGTACCCCGACCGCATCATGAACACCTTCAGCGTGGTGCCTTCACC CAAAGTGTCGGACACTGTGGTGGAGCCCTACAACGCCACCCTGTCCATCCACCAGCTAGTGGAGAACACA GACGAGACCTACTGCATCGACAATGAAGCCCTCTACGACATCTGCTTCCGCACCCTCAAGCTGGCCACAC CCACCTATGGGGACCTCAACCACCTTGTGTCTGCCACCATGAGTGGAGTCACCACCTCCCTTCGATTCCC TGGTCAGCTCAATGCCGACCTCCGCAAGCTGGCTGTGAACATGGTGCCGTTCCCACGTCTCCACTTCTTC ATGCCCGGCTTCGCCCCACTTACAGCCCGGGGCAGCCAGCAGTACCGTGCCCTGACGGTGCCTGAGCTCA CGCAGCAGATGTTCGATGCCAAGAACATGATGGCTGCCTGTGACCCGCGCCACGGTCGCTACCTGACCGT GGCCACTGTCTTCCGTGGGCGCATGTCTATGAAGGAGGTGGACGAGCAGATGCTGGCCATCCAGAGTAAG AACAGCAGCTACTTCGTGGAGTGGATCCCCAACAACGTCAAGGTAGCCGTGTGTGACATCCCACCCCGTG GGCTCAAAATGTCATCCACCTTCATTGGCAACAGCACGGCCATCCAGGAGCTGTTCAAACGCATCTCGGA GCAGTTCACAGCCATGTTCCGGCGCAAGGCCTTCCTGCACTGGTACACGGGCGAGGGCATGGATGAGATG GAGTTCACCGAGGCCGAGAGCAACATGAATGACCTGGTGTCCGAGTACCAGCAGTACCAGGACGCCACTG CGGAGGAGGAGGGGGAGATGTATGAAGATGATGACGAGGAATCGGAAGCCCAGGGGCCCAAGTGAAGTTG CTCGCAGCTGGGGTGTGGGGCCAAGTGGCAGCCAGGGCCAAGACAAGCAGCATCTGTCCCCCCCAGAGCC ATCTAGCTACTGACACTGCCCCCAGCTTTGCTTCTCACCAGCTCATTAGGGCTCCCAGGTTAAAGTCCTT CAGTATTTATGGCCACCCCCACTCCATGTGAGTCCACTTGGCTCTGTCCTCCCCATTTTAGCCACCTCTG TATTTATGTTGCTTATTCGTCTGTTTTTATGGTTTGTTTTGTTTTTTTACTGGGTTGTGTTTATATTCGG GGGGAGGGGTATACTTAATAAAGTTACTGCTGTCTGTCAGATAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAA

View online »

Restriction Sites:	RsrII-NotI
ACCN:	NM_023279
Insert Size:	1353 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC031357, AAH31357
RefSeq Size:	1758 bp
RefSeq ORF:	1353 bp
Locus ID:	22152
UniProt ID:	Q9ERD7
Cytogenetics:	8 E1
Gene Summary:	Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. TUBB3 plays a critical role in proper axon guidance and mantainance. Binding of NTN1/Netrin-1 to its receptor UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (PubMed:28483977). Plays a role in dorsal root ganglion axon projection towards the spinal cord (By similarity).[UniProtKB/Swiss-Prot Function]