

Product datasheet for **MC221283**

Jup (NM_010593) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jup (NM_010593) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jup
Synonyms:	Ctnng; D930025P04Rik; PG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221283 representing NM_010593
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGATGAACCTTATTGAGCAGCCCATCAAGGTGACAGAGTGCCAACAGACATACACCTACGACT
 CGGGCATCCACTCCGGCGTCAATACCTGTGTGCCCTCTGTAAGCAGCAAGGGCATCATGGATGAGGATGA
 TGCTTGCAGCAGACAGTACACACTCAAGAAGACTACCACCTATACACAAGGGGTGCCACAGAACCAAGGT
 GACCTGGAATACCAGATGTCCACAACGGCCAGAGCCAAGCGGGTGCAGGAGGCCATGTGTCCAGGGTCT
 CAGGCGAGGACAGTTCTCTACTGCTGGCCACCCAGGTGGAGGGGCAGACAACCAATCTGCAGCGCTGGC
 CGAACCATCCCAGTTGCTCAAGTCGGCCATCGTCCATCTCATCACTACCAGGATGATGCAGAGCTGGCC
 ACCCGGGTCTGCCTGAGCTACCAAGTGCTCAACGATGAGGACCCGGTAGTGGTGACCAAGGCGGCTA
 TGATCGTGAACCAGCTGTCCAAGAAGGAGGCATCCCGCCGGGCTCTAATGGGCTCGCCCCAGCTGGTGGC
 GCGGGTGGTGCAGACTATGCAGAACACCAGTGACCTGGATACTGCCCGGTGTACCACCAGCATCCTGCAC
 AACCTCTCTACCACCGAGAGGGCTTGCTCGCCATATTCAAGTCTGGAGGCATCCCTGCCCTAGTCCGAA
 TGCTCAGTTCCCCGTAGAATCTGTCTGTTCTACGCCATCACCACACTGCACAACCTGCTGCTCTATCA
 GGAGGGCGCAAGATGGCGGTGCGTCTGGCAGACGGGCTGCAGAAGATGGTGCCCTACTCAACAAGAAC
 AACCTAAGTTCTGGCCATCACTACTGACTGCCTGCAGCTCCTGGCCTATGGCAACCAGGAGAGCAAGC
 TGATCATCCTGGCCAATGGGGGACCCCAAGGGCTTGTGCAGATCATGAGGAACTACAGCTACGAGAAGCT
 TCTGTGGACCACAGCCGTGTGCTCAAGGTGCTCTCCGTGTGCTTAGCAACAAGCCCGCCATCGTGGAG
 GCTGGTGGGATGCAGGCTCTGGCAAGCACTTGACAAGCAACAGTCCCGCCTGGTGCAGAACTGCCTGT
 GGACTGCGCAATCTCTCGGATGTAGCCACCAAGCAGGAGGGCCTGGAGAGTGTGCTGAAGATCTCTGGT
 CAACCAACTGAGTGTAGATGACGTCAACGTCTCACCTGTGCCACGGGCACCCTCTCCAACCTGACCTGC
 AACCAACAGCAAAAACAAGACGCTGGTGACACAGAACAGTGGCGTGGAGGGCTCATCCACGCCATCTGA
 GAGCCGGAGACAAAGATGACATCACAGAGCCGCTGTCTGTGCCCTGCGCCACCTTACCAGCCGTACCC
 CGAGGCTGAGATGGCCAGAACTCTGTGCGCCTCAACTATGGAATCCCGGCCATTGTGAAACTGCTCAAC
 CAGCCAAACCAGTGGCCACTGGTCAAGGCAACTATTGGCCTGATCCGGAACCTGGCTCTGTGCCAGCCA
 ACCATGCCCTCTGCAGGAGGCCGGTCAATCCCGCCTCGTCCAGCTGTTGGTCAAGGCCACCAGGA
 CGCCAGCGCCATGTGGCTGCAGGCACCCAGCAGCCCTACACGGATGGTGTGAGGATGGAGGAGATCGTG
 GAAGGCTGCACCGAGCCCTGCACATCCTCGCCGGGATCCCATGAACCGCATGGAGATCTTCCGGTCA
 ACACCATCCCTGTTTGTCCAGCTCCTGTACTCCTCTGTGGAGAACATCCAGCGTGTGGCTGCGGGAGT
 GCTCTGCGAGCTGGCCAGGACAAGGAGGCTGCCGACGCCATTGATGCGGAGGGCGCCTCTGCCCTCTC
 ATGGAGCTACTCCATTCCCGCAATGAGGGCACCAGCCTACGCTGCTGTGCTGTTCCGCATCTCTG
 AGGACAAGAACCAGATTACCGTAAGCGAGTGTCTGTGGAGCTACCAATTCCTCTTCAAGCATGACCC
 AGCTGCCTGGGAGGCTGCCAGAGTATGATCCCGATCAACGAACCCTATGCAGACGACATGGATGCCACC
 TACCGCCCATGTACTCCAGCGATGTGCTCTGGACCCTCTGGACATGCACATGGACCTGGATGGAGACT
 ACCCATGGACACCTACAGTGACGGCCTGAGGCCTCCCTACCCCACTGCAGACCACATGCTGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010593

Insert Size: 2238 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:	<ol style="list-style-type: none">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:	<u>NM_010593.2</u> , <u>NP_034723.1</u>
RefSeq Size:	5009 bp
RefSeq ORF:	2238 bp
Locus ID:	16480
UniProt ID:	<u>Q02257</u>
Cytogenetics:	11 63.47 cM
Gene Summary:	Common junctional plaque protein. The membrane-associated plaques are architectural elements in an important strategic position to influence the arrangement and function of both the cytoskeleton and the cells within the tissue. The presence of plakoglobin in both the desmosomes and in the intermediate junctions suggests that it plays a central role in the structure and function of submembranous plaques. Acts as a substrate for VE-PTP and is required by it to stimulate VE-cadherin function in endothelial cells. Can replace beta-catenin in E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton.[UniProtKB/Swiss-Prot Function]