

Product datasheet for MR229222

Tmub2 (NM_001302505) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmub2 (NM_001302505) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmub2
Synonyms: 2010008E23Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR229222 representing NM_001302505
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTTACGCTTCTTCAAACAACCTTATGAGCGTGGACCCAGTCAGCAGCCAGGCCATGGAGCTCT
CTGATGTCACCCTCATTGAGGGTGTGGTAACGAGGTGATGGTGGTAGCAGGCGTGGTGGCGTGACTCT
AGCCCTGGTCCTAGCCTGGCTCTCCACCTATGTAGCAGACAGTGGTAACAACCAGCTGTGGCCACCATT
GTGTCAGCAGGTGACACGTCTGTTCTCCACCTGGGCCATGTGGACCAGCTGGTAAACCAAGGCACTCCAG
AGCCAACCGAACACCCCATCCATCAGGGGCAATGATGACAAGGCTGAAGAGACCAGTGACAGTGGGG
AGACGCCACTGGAGAACCTGGAGCTAGGGGAGAGATGGAGCCAGCCTGGAGCATCTCCTGGACATCCAA
GGCCTGCCTAAAAGGCAAGCAGGCTGGGGAGCAGTCGCCAGAAAGCCCGCTGGGGTTAGATGATGGCT
CCTGCCTCTCTCCAGCCCCAGCCTCATCAATGTTTCGCCTCAAGTTCTCAATGACACCGAGGAGTAGC
TGTGGCCAGGCCAGAGGACACTGTGGGTACCCTAAAAGCAAATACTTCCCTGGACAAGAGGCCAAATG
AAGTTGATCTACCAGGGTCGGCTGCTGCAGGACCCAGCACGCACTGAGTTCCTGAACATTACCAACA
ACTGCGTGATCCACTGCCACCGCTACCCCCAGGGCAGCAGTTTCTGGCCCTCAGCCTCCTTGACCCC
AACCACTGAGCAATCTAGCCTTGGTGTCAACGTGGCAGCCTCATGGTGCCTGTGTTGTGGTGTCTTG
GGTGTGGTCTGGTACTTCGATCAATTACCGCCAGTTCTTACTGGACCTGCCACTATCTCCTTGTTG
GAGTCACAGTCTTCTCAGCATCCTGGTATTTGGGATGTATGGAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229222 representing NM_001302505
 Red=Cloning site Green=Tags(s)

MISRLQLNNLMSVDPVSSQAMELSDVTLIEGVGNEVMVAVGVALTLALVLAWLSTYVADSGNNQLLGTI
 VSAGDTSVLHLGHVDQLVNOGTPEPTEHPHPSSGNDKAEETSDSGGDATGEPGARGEMEPSLEHLLDIQ
 GLPKRQAGLGSSRPEAPLGLDDGSCLSPSPSLINVRLKFLNDTEELAVARPEDTVGLKSKYFPGQESQM
 KLIYQGRLLQDPARTLSSLNITNNCVIHRSPPGAASVSGPSASLTPPTTEQSSLGVNVGSLMVPVVFVLL
 GVVWYFRINRQFFTGPATISLVGVTVFFSILVFGMYGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001302505

ORF Size: 957 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001302505.2](#)

RefSeq Size: 2711 bp

RefSeq ORF: 960 bp

Locus ID: 72053

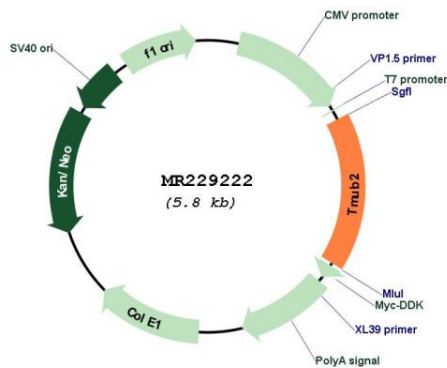
UniProt ID: [Q3V209](#)

Cytogenetics: 11 D

MW: 33.8 kDa

Gene Summary: This gene encodes a predicted multi-pass membrane protein that features a C-terminal ubiquitin-related domain. This gene may be expressed in cone photoreceptors in the retina. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]

Product images:



Circular map for MR229222