

Product datasheet for **SC304267**

MTUS2 (NM_015233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTUS2 (NM_015233) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTUS2
Synonyms:	CAZIP; ICIS; KIAA0774; TIP150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304267 representing NM_015233. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGGCCATTGCTGCTGCAAGCCTTATACTGCCTTCAGTGCCTGGACAAGACGAATGAAAGTGCCTT
 GTGAAAGAAAAAGAGCTGTCAATCGAAGTTCGAAACATCAGGGATGAAGTTCCTTCCATACAGCAAAG
 TGCGAGAACTACAAAAGGAGAAGGAGGAGCTGGAGAGGCGGTTTCGAGGACGAGGTGAAGAGGCTGGGC
 TGGCAGCAGCAGGCCGAGCTCCAGGAGCTGGAGGAGCGGCTGCAGCTGCAATTCGAGGCGGAAATGGCG
 CGCTGCAGGAGGAGCACGGTGACCAGCTGCTGAGCATCCGGTGTCAACACCAGGAGCAGGTGGAAGAT
 CTCACCGCCAGCCATGATGCTGCTCTCTAGAGATGGAATAAACCACACAGTTGCCATCACAATCCTG
 CAGGATGACCACGACCACAAAGTCCAAGAATTGATGTCCACTCATGAGCTTGAAAAGAAAGAATTGGAA
 GAAATTTTGAAGAACTGCGGCTGTCTTGCAGGACCAGGTGGACACGCTGACCTTCAGAGCCAGTCT
 CTGCGGGACAGAGCCCGCGCTTCGAAGAGGCCTTGAGGAAGAACACAGAGGAGCAGCTGGAGATTGCA
 TTGGCTCCTTATCAGCACTTGGAAGAAGACATGAAGAGTCTGAAGCAGGTATTAGAAATGAAGAATCAG
 CAAATACACGAGCAAGAAAAGAAGATTCTTGAGCTGGAAGCTGGCAGAAAAGAACATTATCCTAGAA
 GAAAAGATCCAGGTTCTCCAACAGCAGAACGAAGACCTCAAAGCAAGGATTGACCAAAACACAGTTGTC
 ACCAGACAGCTGTCGGAGGAAAAATGCTAACCTCCAGGAATATGTTGAGAAGGAAACCCAGGAGAAGAAG
 AGATTGAGCCGAACCAATGAAGAGCTGCTTTGGAAGCTCCAACTGGGGACCCGACCAGTCCGATTAA
 CTCTCGCCACATCTCCGTTTACCGCGGCTCCTCCTCGGGGCCCTCCTCCTCGGCCAGAGTCAGCACA
 ACACCCAGATGA
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_015233


[View online »](#)

Insert Size:	1047 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_015233.5</u>
RefSeq Size:	4009 bp
RefSeq ORF:	1047 bp
Locus ID:	23281
UniProt ID:	<u>Q5JR59</u>
Cytogenetics:	13q12.3
MW:	40.7 kDa
Gene Summary:	Binds microtubules. Together with MAPRE1 may target the microtubule depolymerase KIF2C to the plus-end of microtubules. May regulate the dynamics of microtubules at their growing distal tip.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has multiple differences in the presence and absence of exons at its 5' end, compared to variant 1. These differences produce a unique 5' UTR and cause translation initiation at a unique start codon, compared to variant 1. The encoded protein (isoform b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.