

Product datasheet for SC302751

MTUS2 (NM_001033602) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTUS2 (NM_001033602) 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:	>SC302751 representing NM_001033602. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
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CGGGAAAGCAAAGAGGTACCACATCTGTTGCTGAAAACAGGAACCTTCTAGAGAATGCAGATAAGATT
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Restriction Sites:

SgfI-MluI

ACCN:

NM_001033602

Insert Size:

4140 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:	<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:	NM_001033602.2
RefSeq Size:	6957 bp
RefSeq ORF:	4140 bp
Locus ID:	23281
UniProt ID:	Q5JR59
Cytogenetics:	13q12.3
MW:	151.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest 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. CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by available conservation data or publications.</p>