

Product datasheet for **MG211196**

Tnpo3 (NM_177296) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnpo3 (NM_177296) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnpo3
Synonyms:	5730544L10Rik; C81142; C430013M08Rik; D6Ertd313e; mKIAA4133; Trn-SR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG211196 representing NM_177296
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAGGGAGCCAAGCCAACCTTGCAGCTCGTGTACCAGGCGGTGCAAGCGCTTTACCACGACCCGGATC
CCAGCGAAAGGAGCGCGCTCGTTTTGGCTTGGGGAGCTGCAGCGTTCGGTTCACGCTTGGGAGATTTT
TGATCAATTGTTACAGATCCGACAGGATGTGGAATCATGCTATTTTCGCTGCCAGACCATGAAAAATGAAG
ATTCAGACCTCATTTTATGAGCTCCCCACAGACTCTCATGCTTCTTAAAGGGACTCATTGCTAACTCACA
TTCAGAACTTGAAAGACTTGTGCGCTGTATTGTAACACAGCTGGCTTTAGCAATAGCAGACCTCGCCCT
ACAGATGCCTTCTGGAAAGGATGCGTACAAACATTGGTAGAAAAATATAGCAATGACGTAACCTCTTTA
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ACAGGCGGACAGAAATATAGAAGACTTAGCCTTCTACTCTAGTACCGTGGTATCTTTATTGATGACATG
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TTGGGGGTTTTGGACAGTAACTTCATGGCTAATAATAAGTTATTAGCACTCCTTTTTGAGGTCTTGCAC
AAGATAAGACCTCATCTAACCTACACGAAGCTGCTTCAGACTGTGTATGCTCAGCTCTCTATGCTATTGA
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GAACATTTATACAAAACCAATGATGAAGTTATTCACAGCATCTCAAAGCGTACATTAGAGGCTGCTTC
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TATGTTCTGTTACAGTTATGGCATTGAAAAAGCTGTTGTCTCAGGAGCCAGCAATGGCATTCTTCAGA
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TGTACAGTGACACATAAAACAATTACAGATTTCCACAAGCAAGTCACTAGTGCCGAGGAATGTAAGCAA
GTTTGTGGGCCCTTGGAGACTTACCAGGTTGTTTCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211196 representing NM_177296
 Red=Cloning site Green=Tags(s)

MEGAKPTLQLVYQAVQALYHDPDPSGKERASFWLGELQRSVHAWEISDQLLQIRQDVESCYFAAQTMMKM
 IQTSFYELPTDSHASLRDSSLTHIQNLKDLSPVI V TQLALAIADLALQMP SWKGC VQTLVEKYSNDV TSL
 PFLLEILTVLPEEVHSRSLRIGANRRTEIIEDLAFYSSTVVSLMTCVEKAGTDEKMLMKVFRCLGSWFN
 LGVLDSNFMANNKLLALLFEVLQDDKTSSNLHEAASDCVCSALYAIENVETNLPLAMQLFQGVLTLETAY
 HMAVAREDLDKVLNYCRIFTELCE T FLEKIVCTPGQGLGDLRTLELLL ICAGHPQYEVVEISFNFWYRLG
 EHLKYKTNDV E IHSIFKAYIQRL L HALARHCQLEPDHEGVPEETDDFGFRMRVSDLVKDLIFLIGSMECF
 AQLYSTLKEGNPPWEVTEAVLFIMAAIAKSVDPENNP TLVEVLEGVVHLPETVHTAVRYTSIELVGMSE
 VVDRNPQFLDPVLGYLMKGLCEKPLASAAA KAIHNICSVCRDHMAQHFNGLLEIAHSLDSFMLSPEAAVG
 LLKGTALVLARLPLDKITECLSELCSVQVMALKKLLSQEPSNGISSDPTVFLDRLAVIFRHTNP IVENGO
 THPCQKVIQEIWV LSETLNKHRADNRIVERCCRCLRFVRCVKGSAALLQPLVTQMVNVYHVHQHSCF
 LYLGSILVDEYGMEEGCRQGLDMLQALCIPTFQ LLEQQNGLQNHPTVDDLFRLATRFIQRSPTLLRS
 QVVIPILQWAIAS T TLDHRDANSSVMRFLRDLIHTGVANDHEEDFELRKELIGQVMSQLGQQLVSQLLHT
 CCFCLPPYTLPDVAEVLWEIMQVDRPTFCRWLENSL KGLPKETT VGAVTVTHKQLTDFHKQVTSAECKQ
 VCWALRDFTRLFR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

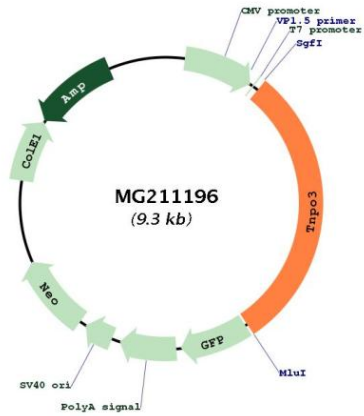


ACCN:

NM_177296

ORF Size:	2769 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:	<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_177296.5
RefSeq Size:	3971 bp
RefSeq ORF:	2772 bp
Locus ID:	320938
UniProt ID:	Q6P2B1
Cytogenetics:	6 12.36 cM
Gene Summary:	Seems to function in nuclear protein import as nuclear transport receptor. In vitro, mediates the nuclear import of splicing factor SR proteins RBM4, SFRS1 and SFRS2, by recognizing phosphorylated RS domains (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211196