

Product datasheet for **MR211196**

Tnpo3 (NM_177296) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnpo3 (NM_177296) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnpo3
Synonyms:	5730544L10Rik; C81142; C430013M08Rik; D6Ertd313e; mKIAA4133; Trn-SR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211196 representing NM_177296
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGGGAGCCAAGCCAACCTTGCAGCTCGTGTACCAGGCGGTGCAAGCGCTTTACCACGACCCGGATC
 CCAGCGAAAGGAGCGCCTCGTTTTGGCTTGGGGAGCTGCAGCGTTCGGTTCACGCTTGGGAGATTTT
 TGATCAATTGTTACAGATCCGACAGGATGTGGAATCATGCTATTTTCGCTGCCAGACCATGAAAAAGAAG
 ATTCAGACCTCATTTTATGAGCTCCCCACAGACTCTCATGCTTCTTAAGGGACTCATTGCTAACTCACA
 TTCAGAACTTGAAAGACTTGTGCGCTGTATTGTAACACAGCTGGCTTTAGCAATAGCAGACCTCGCCCT
 ACAGATGCCTTCTGGAAAGGATGCGTACAAACATTGGTAGAAAAATATAGCAATGACGTAACCTCTTTA
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 ACAGGCGGACAGAAATTATAGAAGACTTAGCCTTCTACTCTAGTACCGTGGTATCTTTATTGATGACATG
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 TTGGGGGTTTTGGACAGTAACTTATGGCTAATAATAAGTTATTAGCACTCCTTTTTGAGGTCTTGCAC
 AAGATAAGACCTCATCTAACCTACACGAAGCTGCTTCAGACTGTGTATGCTCAGCTCTCTATGCTATTGA
 AAATGTAGAGACTAACTTGCCATTGGCCATGCAGCTTTTTCAGGGAGTCTGACATTGGAGACTGCATAT
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 GGAGTTTTCGAATGAGAGTGTGACACTGGTGAAGGACTTGATCTTCTGATTGGATCTATGGAGTGT
 GCTCAGTTGTATTCTACTCTGAAGGAAGGCAACCCACCCTGGGAGGTGACAGAAGCGTTCTCTTTATCA
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 TGCTGCTTTTGTCTTCCCCCTACACCCTACCCGACGTGGCTGAAGTGTCTGGGAGATCATGCAGGTTG
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 TGTACAGTGACACATAAAACAATTACAGATTTCCACAAGCAAGTCACTAGTGCCGAGGAATGTAAGCAA
 GTTTGCTGGGCCCTTGGAGACTTACCAGGTTGTTTCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >MR211196 representing NM_177296
 Red=Cloning site Green=Tags(s)

MEGAKPTLQLVYQAVQALYHDPDPSGKERASFWLGELQRSVHAWEISDQLLQIRQDVESCYFAAQTMKMK
 IQTSFYELPTDASHALRDSLLTHIQNLKDLSPVIVTQLALAIADLALQMPSWKGCVQTLVEKYSNDVTSL
 PFLLEILTTLPEEVHSRSLRIGANRRTEIIEDLAFYSSTVVSLMTCVEKAGTDEKMLMKVFRCLGWSFN
 LGVLDSNFMANNKLLALLFEVLQQDKTSSNLHEAASDCVCSALYAIENVETNLPLAMQLFQGVLTLETAY
 HMAVAREDLKVLNYCRIFTELCEFTLEKIVCTPGQGLGDLRTLELLLICAGHPQYEVVEISFNFWYRLG
 EHLKYKTNDVHISIFKAYIQRLHLALRHCQLEPDHEGVPEETDDFGEFRMRVSDLVKDLIFLIGSMECF
 AQLYSTLKEGNPPWEVTEAVLFIMAAIAKSVDPENNP TLVEVLEGGVHLPETVHTAVRYTSIELVGMSE
 VVDRNPQFLDPVLGYLMKGLCEKPLASAAAIAIHNICSVCRDHMAQHFNGLLEIAHSLDSFMLSPEAAVG
 LLKGTALVLARLPLDKITECLSELCSVQVMALKKLLSQEPSNGISSDPTVFLDRLAVIFRHTNP IVENGQ
 THPCQKVIQEIWVPLSETLNKHRADNRIVERCCRCLRFVRCVKGSAALLQPLVTQMVNVYHVHQHSCF
 LYLGSILVDEYGMEEGCRQGLDMLQALCIPTFQLLLEQQNGLQNHPTVDDLFRLATRFIQRSPVTL LRS
 QVVIPILQWAIASITLDHRDANSSVMRFLRDLIHTGVANDHEEDFELRKELIGQVMSQLGQQLVSQLLHT
 CCFCPPYTLPDVAEVLWEIMQVDRPTFCRWLENSLKGPKETTVGAVTVTHKQLTDFHKQVTSAEECKQ
 VCWALRDFTRLFR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

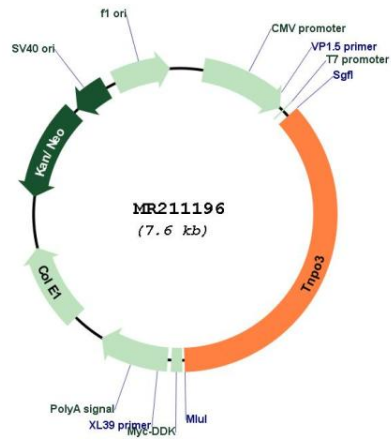


ACCN: NM_177296

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
MW:	104.6 kDa
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 MR211196