

Product datasheet for **MR217044**

Tns3 (NM_001083587) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tns3
Synonyms:	BC023928; F830010I22Rik; TEM6; Tens1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR217044 representing NM_001083587
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence:

>MR217044 representing NM_001083587

Red=Cloning site Green=Tags(s)

MEDSHELDLTYYTERIIAVSFASCSEESYLHSLQEVTRMLKCKHGDNYLVNLSEKRYDLTKLNPKIMD
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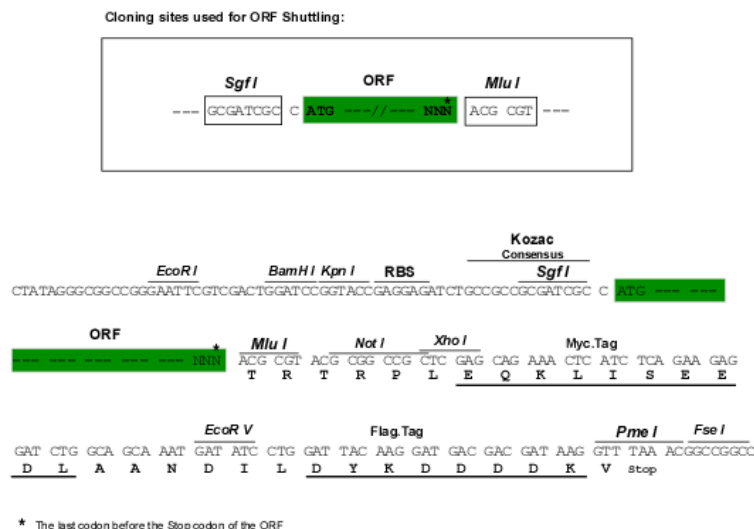
Chromatograms:

https://cdn.origene.com/chromatograms/mm9104_f01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

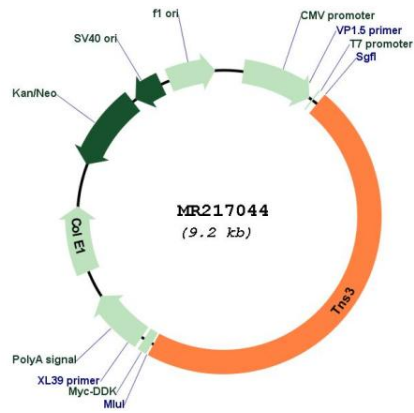
NM_001083587

ORF Size:

4320 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001083587.1 , NP_001077056.1
RefSeq Size:	7483 bp
RefSeq ORF:	4323 bp
Locus ID:	319939
UniProt ID:	Q5SSZ5
Cytogenetics:	11 A1
MW:	155.6 kDa
Gene Summary:	May play a role in actin remodeling. Involved in the dissociation of the integrin-tensin-actin complex. EGF activates TNS4 and down-regulates TNS3 which results in capping the tail of ITGB1. Seems to be involved in mammary cell migration (By similarity). May be involved in cell migration and bone development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217044