

Product datasheet for MR226329

Tnc (NM_011607) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnc (NM_011607) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnc
Synonyms:	A1528729; C130033P17Rik; cytotactin; Hxb; Ten; tenascin-C; TN; TN-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226329 representing NM_011607 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR226329 representing NM_011607
 Red=Cloning site Green=Tags(s)

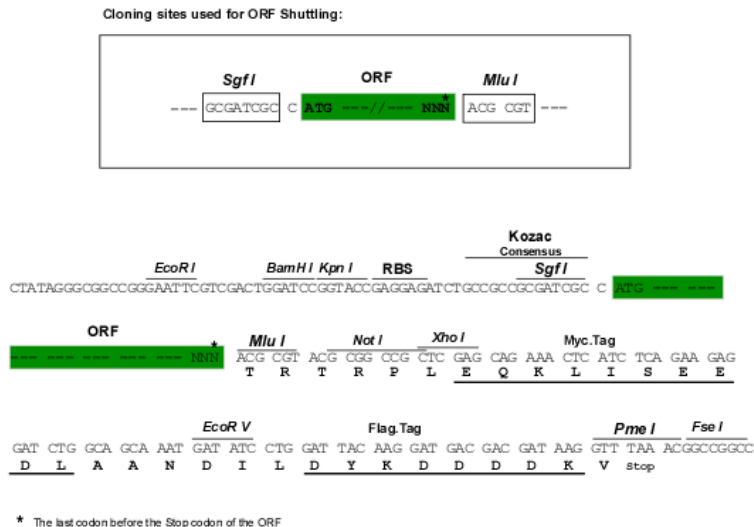
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9008_b10.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_011607

ORF Size: 6057 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.

RefSeq: [NM_011607.3](#), [NP_035737.2](#)

RefSeq Size: 6834 bp

RefSeq ORF: 6060 bp

Locus ID: 21923

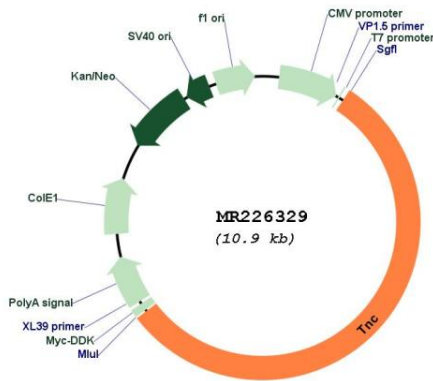
UniProt ID: [Q80YX1](#)

Cytogenetics: 4 34.06 cM

MW: 222.3 kDa

Gene Summary: Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth when provided to neurons in culture. May play a role in supporting the growth of epithelial tumors. Ligand for integrins ITGA8:ITGB1, ITGA9:ITGB1, ITGAV:ITGB3 and ITGAV:ITGB6. In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226329