

## Product datasheet for **SC127204**

### Tenascin C (TNC) (NM\_002160) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tenascin C (TNC) (NM_002160) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tenascin C
Synonyms:	150-225; DFNA56; GMEM; GP; HXB; JI; TN; TN-C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127204 sequence for NM_002160 edited (data generated by NextGen Sequencing)

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Clone variation with respect to NM\_002160.3

276 g=>a;696 a=>g;1616 a=>g;2039 a=>g;5029 a=>t;6022 g=>c



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_002160.1, NP_002151.1</u>
<b>RefSeq Size:</b>	7560 bp
<b>RefSeq ORF:</b>	6606 bp
<b>Locus ID:</b>	3371
<b>UniProt ID:</b>	<u>P24821</u>
<b>Cytogenetics:</b>	9q33.1
<b>Domains:</b>	toxin_2, FBG, FN3, EGF, EGF
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	ECM-receptor interaction, Focal adhesion
<b>Gene Summary:</b>	This gene encodes an extracellular matrix protein with a spatially and temporally restricted tissue distribution. This protein is homohexameric with disulfide-linked subunits, and contains multiple EGF-like and fibronectin type-III domains. It is implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity, and neuronal regeneration. [provided by RefSeq, Jul 2011]