

## Product datasheet for **SC308081**

### Thromboxane A2 receptor (TBXA2R) (NM\_201636) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thromboxane A2 receptor (TBXA2R) (NM_201636) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBXA2R
Synonyms:	BDPLT13; TXA2-R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF Sequence for NM_201636. The custom clone sequence may differ by one or more nucleotides ATGTGGCCCAACGGCAGTTCCCTGGGGCCCTGTTTCCGGCCACAAACATTACCCTGGAG GAGAGACGGCTGATCGCCTCGCCCTGGTTCCGCCCTCCTTCTGCGTGGTGGGCCTGGCC TCCAACCTGCTGGCCCTGAGCGTCTGGCGGGCGCGGGCAGGGGGTTGCACACGCGC TCCTCCTTCTCACCTTCTCTGCGGCCTCGTCCTCACCGACTTCTGGGGCTGCTGGT ACCGGTACCATCGTGGTGTCCCAGCACGCCGCGCTCTTCGAGTGGCACGCCGTGGACCT GGCTGCCGTCTGTGCGTTTCATGGGCGTGTGTCATGATCTTCTTCGGCCTGTCCCGCTG CTGCTGGGGGCCCATGGCCTCAGAGCGCTACCTGGGTATCACCGGCCCTTCTCGGC CCGGCGGTGCGCTCGCAGCGCCGCGCTGGGCCACCGTGGGGCTGGTGTGGCGGGCCGCG CTGGCGTGGGCCTGCTGCCCTGCTGGGCGTGGGTGCTACACCGTGAATACCGGGG TCCTGGTCTTCTGACGCTGGGCGCCGAGTCCGGGGACGTGGCCTTCGGGCTGCTCTTC TCCATGCTGGGGCCCTCTCGGTGCGGGCTGTCTTCTGCTGAACACGGTCAGCGTGGCC ACCCTGTGCCACGTCTACCACGGGCAGGAGGCGGCCAGCAGCGTCCCCGGGACTCCGAG GTGGAGATGATGGCTCAGCTCCTGGGATCATGGTGGTGGCCAGCGTGTGTTGGCTGCC CTTCTGGTCTTCATCGCCAGACAGTGTGCGAAACCCGCTGCCATGAGCCCCGCGGG CAGCTGTCCCGCACCCAGGAGAAGGAGTGTCTACTACTTGCCTGGCCACCTGGAAC CAGATCCTGGACCCCTGGGTGTATATCTGTTCCGCCGCGCCGTGCTCCGGCGTCTCCAG CCTCGCCTCAGCACCCGCGCCAGCGGAGTCTCACTCTGTGGCCAGCCTGGAGTACAGTG GCACGATCTCGGCTCACTGCAACCTCCGCTCCCGGGTTCAAGCGATTCTCGTGCCTCAG CCTCCCGAGCAGCTGGGATTACAGGCG
Restriction Sites:	Please inquire
ACCN:	NM_201636
Insert Size:	1700 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_201636.
<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_201636.1, NP_963998.1</u>
<b>RefSeq Size:</b>	1785 bp
<b>RefSeq ORF:</b>	1110 bp
<b>Locus ID:</b>	6915
<b>UniProt ID:</b>	<u>P21731</u>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>This gene encodes a member of the G protein-coupled receptor family. The protein interacts with thromboxane A2 to induce platelet aggregation and regulate hemostasis. A mutation in this gene results in a bleeding disorder. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (b) uses an alternate splice pattern in the 3' coding region, compared to variant a. The resulting isoform (beta) has a longer and distinct C-terminus, compared to isoform alpha. This isoform is described in PMID: 8613548.</p>