

Product datasheet for **SC327832**

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:	Thromboxane A2 receptor
Synonyms:	BDPLT13; TXA2-R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_201636 edited
 CGGCCCCACCCGTCACAGCTCGGCTTAGCCCCCGGACCCCTCCAGGCCGCGACCCCA
 GGGCGTCTGTGCCGCCACGCCCTCCATCTGTGTGGGTCTCTGCTGGGCCCCCCTGG
 TCACAGCCAGACTGACTCAGTTTCCCTGGGAGGTCCCGCTCGAGCCCGTCTTCCCTCC
 CTCTGCCCCCCCCAGCCCTCGCCCCACCCTCGGCGCCGACATCTGCCTGCTCAGCTC
 CAGACGGCGCCCGGACCCCGGGCGGGATCCAGCCAGGTGGGAGCCCCGAGATGAGG
 TCTCTGAAGGTGTGCCTGAACCACTGCCAGCCTGCCCTGTCTGCAGCATCGGCCTGATGG
 GGTGGTGACTGATCCCTCAGGGCTCCGGAGCCATGTGGCCCAACGCGAGTTCCCTGGGGC
 CCTGTTTCCGGCCCAAAACATTACCCTGGAGGAGAGACGGCTGATCGCCTCGCCCTGGT
 TCGCCGCTCTTCTGCTGGTGGGCTGGCCTCCAACCTGCTGGCCCTGAGCGTGCTGG
 CGGGCGCGCGGAGGGGGTTTCGACACGCGCTCCTCCTTCTCACCTTCTCTGCGGCC
 TCGTCTCACCGACTTCTGGGGCTGCTGGTGACCGGTACCATCGTGGTGTCCCAGCAG
 CCGCGCTCTTCGAGTGGCACTCCGTGGACCCTGGCTGCCGTCTCTGTGCTTTCATGGGCG
 TCGTCATGATCTTCTTGGCCTGTCCCCGCTGCTGCTGGGGGCCGCCATGGCCTCAGAGC
 GCTACCTGGGTATCACCCGGCCCTTCTCGCGCCCGCGGTGCGCTCGCAGCGCCGCGCT
 GGGCCACCGTGGGCTGTGTGGCGGGCGCGCTGGCGCTGGGCTGCTGCCCTGCTGG
 GCGTGGGTGCTACACCGTGCAATACCCGGGGTCTGGTGCTTCTGACGCTGGGCGCCG
 AGTCCGGGGACGTGGCCTTCGGGCTGCTTCTCCATGCTGGGCGGCCTCTCGGTGCGGC
 TGTCTTCTGCTGAACACGGTCAGCGTGGCCACCCTGTGCCACGTCTACCACGGGCAGG
 AGGCGGCCCAGCAGCGTCCCCGGGACTCCGAGGTGGAGATGATGGCTCAGCTCCTGGGGA
 TCATGGTGGTGGCCAGCGTGTGTGGCTGCCCTTCTGGTCTTATTGCCAGACAGTGC
 TGCGAAACCCGCTGCCATGAGCCCCCGGGCAGCTGTCCCGCACCACGAGAAGGAGC
 TGCTCACTACTTGCCTGGCCACCTGGAACCACTGACCTGGACCCTGGGTGTATATCC
 TGTTCGCGCGCGCGTGTCTCCGGCGTCTCCAGCCTCGCCTCAGCACCCGCGCCAGACGGA
 GTCTCACTCTGTGGCCAGCCTGGAGTACAGTGGCAGATCTCGGCTCACTGCAACCTCC
 GCCTCCCGGGTTCAAGCGATTCTCGTGCCTCAGCCTCCCGAGCAGCTGGGATTACAGGCG
 TAAGCCACTGCGCCCGCCTTGATGCTCTTTGACCTGAATTTGACCTACTTGTGGGG
 TACAGTTGCTTCTTTTGAACCTCCAACAGGGAAGGCTCTGTCCAGAAAGGATTGAATGT
 GAACGGGGGACCCCTTTTCTTGCCAAAATATATCTCTGCCTTTGGTTTTATTTAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_201636

Insert Size: 1700 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_201636.2, NP_963998.2</u>
RefSeq Size:	1959 bp
RefSeq ORF:	1224 bp
Locus ID:	6915
UniProt ID:	<u>P21731</u>
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
Gene Summary:	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] 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.