OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC229197

Thromboxane A2 receptor (TBXA2R) (NM_201636) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thromboxane A2 receptor (TBXA2R) (NM_201636) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thromboxane A2 receptor
Synonyms:	BDPLT13; TXA2-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC229197 representing NM_201636
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCCCAACGGCAGTTCCCTGGGGCCCTGTTTCCGGCCCACAAACATTACCCTGGAGGAGAGACGGC
TGATCGCCTCGCCCTGGTTCGCCGCCTCCTTCTGCGTGGTGGGCCTGGCCTCCAACCTGCTGGCCCTGAG
CGTGCTGGCGGGCGCGCGGCAGGGGGGTTCGCACACGCGCTCCTCCTTCCTCACCTTCCTCTGCGGCCTC
GTCCTCACCGACTTCCTGGGGCTGCTGGTGACCGGTACCATCGTGGTGTCCCAGCACGCCGCGCTCTTCG
AGTGGCACGCCGTGGACCCTGGCTGCCGTCTCTGTCGCTTCATGGGCGTCGTCATGATCTTCTTCGGCCT
GTCCCCGCTGCTGCTGGGGGCCGCCATGGCCTCAGAGCGCTACCTGGGTATCACCCGGCCCTTCTCGCGC
CCGGCGGTCGCCTCGCAGCGCCGCGCCTGGGCCACCGTGGGGCTGGTGTGGGCGGCCGCGCTGGCGCTGG
GCCTGCTGCCCCTGCTGGGCGTGGGTCGCTACACCGTGCAATACCCGGGGTCCTGGTGCTTCCTGACGCT
GGGCGCCGAGTCCGGGGACGTGGCCTTCGGGCTGCTCTTCTCCATGCTGGGCGGCCTCTCGGTCGGGCTG
TCCTTCCTGCTGAACACGGTCAGCGTGGCCACCCTGTGCCACGTCTACCACGGGCAGGAGGCGGCCCAGC
AGCGTCCCCGGGACTCCGAGGTGGAGATGATGGCTCAGCTCCTGGGGATCATGGTGGTGGCCAGCGTGTG
TTGGCTGCCCCTTCTGGTCTTCATCGCCCAGACAGTGCTGCGAAACCCGCCTGCCATGAGCCCCGCCGGG
CAGCTGTCCCGCACCACGGAGAAGGAGCTGCTCATCTACTTGCGCGTGGCCACCTGGAACCAGATCCTGG
ACCCCTGGGTGTATATCCTGTTCCGCCGCGCCGTGCTCCGGCGTCTCCAGCCTCGCCTCAGCACCCGGCC
CAGACGGAGTCTCACTCTGTGGCCCAGCCTGGAGTACAGTGGCACGATCTCGGCTCACTGCAACCTCCGC
CTCCCGGGTTCAAGCGATTCTCGTGCCTCAGCCTCCCGAGCAGCTGGGATTACAGGCGTAAGCCACTGCG
CCCGGCCTTGCATGCTCTTTGACCCTGAATTTGACCTACTTGCTGGGGTACAGTTGCTTCCTTTTGAACC
TCCAACAGGGAAGGCTCTGTCCAGAAAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

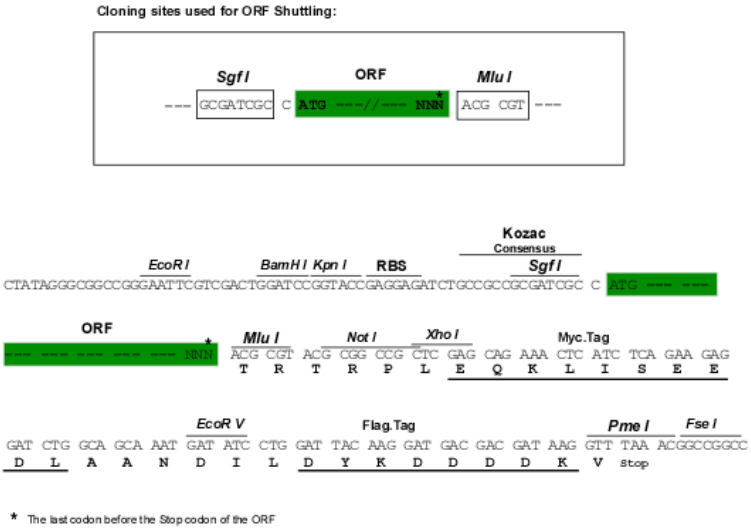
>RC229197 representing NM_201636
Red=Cloning site Green=Tags(s)

MWPNGSSLGPCFRPTNITLEERRLIASPWFAASFCVVGLASNLLALSVLAGARQGGSHTRSSFLTFLCGL
VLTDFLGLLVTGTIVVSQHAALFEWHAVDPGCRLCRFMGVVMIFFGLSPLLLGAAMASERYLGITRPFSR
PAVASQRRAWATVGLVWAAALALGLLPLLGVGRYTVQYPGSWCFLTLGAESGDVAFGLLFSMLGGLSVGL
SFLLNTVSVATLCHVYHGQEAAQQRPRDSEVEMMAQLLGIMVVASVCWLPLLVFIAQTVLRNPPAMSPAG
QLSRTTEKELLIYLRVATWNQILDPWVYILFRRAVLRRLQPRLSTRPRRSLTLWPSLEYSGTISAHCNLR
LPGSSDSRASASRAAGITGVSHCARPCMLFDPEFDLLAGVQLLPFEPPTGKALSRKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_201636

ORF Size: 1221 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_201636.3

RefSeq ORF: 1224 bp

Locus ID: 6915

UniProt ID: P21731

Cytogenetics: 19p13.3

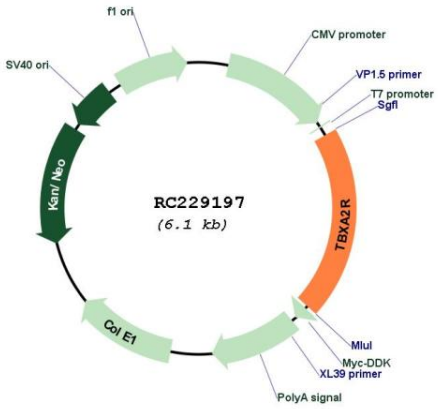
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 44 kDa

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]

Product images:



Circular map for RC229197