

Product datasheet for RC228471L4

OriGene Technologies, Inc.

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TBXAS1 (NM_001166253) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TBXAS1 (NM_001166253) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: TBXAS1

Synonyms: BDPLT14; CYP5; CYP5A1; GHOSAL; THAS; TS; TXAS; TXS

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228471).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001166253

ORF Size: 1740 bp





TBXAS1 (NM_001166253) Human Tagged Lenti ORF Clone - RC228471L4

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: <u>NM 001166253.1</u>, <u>NP 001159725.1</u>

RefSeq ORF: 1740 bp Locus ID: 6916 UniProt ID: P24557

Cytogenetics: 7q34

Protein Families: Druggable Genome, P450

Protein Pathways: Arachidonic acid metabolism, Metabolic pathways

MW: 65.6 kDa

Gene Summary: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The

cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. However, this protein

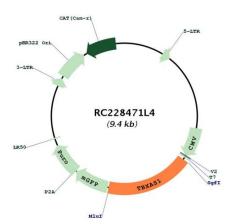
is considered a member of the cytochrome P450 superfamily on the basis of sequence similarity rather than functional similarity. This endoplasmic reticulum membrane protein catalyzes the conversion of prostglandin H2 to thromboxane A2, a potent vasoconstrictor and

inducer of platelet aggregation. The enzyme plays a role in several pathophysiological processes including hemostasis, cardiovascular disease, and stroke. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Aug 2008]



Product images:



Circular map for RC228471L4