

## Product datasheet for **TP308028**

### **TBXAS1 (NM\_001061) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human thromboxane A synthase 1 (platelet) (TBXAS1), transcript variant TXS-I, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC208028 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MMEALGFLKLEVNGPMVTVALSVALLALLKWYSTSAFSRLEKLGRLRHPKPSFFIGNLTFFRQGFWESQME  
LRKLYGPLCGYYLGRRMFIVISEPDMIKQVLVENFSNFTNRMASGLEFKSVADSVLFLDRDKRWEEVRGAL  
MSAFSPEKLNEMVPLISQACDLLLAHLKRYAESGDAFDIQRCCYCNYYTDDVASVAFGTPVDSWQAPEDPF  
VKHCKRFFEFPCIPRPILVLLLSFPSIMVPLARILPNKNRDELNGFFNKLIRNVIALRDQQAEEERRRDFL  
QMVLDARHSASPMGVQDFDIVRDVFSSTGCKPNPSRQHQPSPMARPLTVDEIVGQAFIFLIAGYEITNT  
LSFATYLLATNPDCQEKLREVDVFKEKHMPEFCSLEEGLPYLDMVAIETLRMYPPAFRFTREAAQDCE  
VLGQRIPAGAVLEMAVGALHHDPEHWPSPETFNPERFTAEARQQHRPFTYLPFGAGPRSCLGVRGLLLEV  
KLTLHLVHLKFRFQACPETQVPLQLESKSALGPKNGVYIKIVSR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	60.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001052](#)

**Locus ID:** 6916

**UniProt ID:** [P24557](#)

**RefSeq Size:** 2082

**Cytogenetics:** 7q34

**RefSeq ORF:** 1602

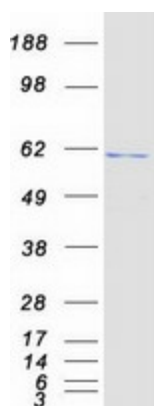
**Synonyms:** BDPLT14; CYP5; CYP5A1; GHOSAL; THAS; TS; TXAS; TXS

**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]

**Protein Families:** Druggable Genome, P450

**Protein Pathways:** Arachidonic acid metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified TBXAS1 protein (Cat# TP308028). The protein was produced from HEK293T cells transfected with TBXAS1 cDNA clone (Cat# [RC208028]) using MegaTran 2.0 (Cat# [TT210002]).