

## Product datasheet for **TP325917L**

### **TBXAS1 (NM\_001130966) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human thromboxane A synthase 1 (platelet) (TBXAS1), transcript variant TXS-III, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC225917 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MMEALGFLKLEVNGPMVTVALSVALLALLKWYSTSAFSRLEKLGRLRHPKPSFFIGNLTFFRQGFWESQME  
LRKLYGPLCGYYLGRRMFIVISEPDMIKQVLVENFSNFTNRMASGLEFKSVADSVLFLDRDKRWEEVRGAL  
MSAFSPEKLNEMVPLISQACDLLLAHLKRYAESGDAFDIQRCCYCNYYTDDVVASVAFGTPVDSWQAPEDPF  
VKHCKRFFFEFCIPRPILVLLLSFPSIMVPLARILPNKNRDELNGFFNKLIRNVIALRDQQAEEERRRDFL  
QMVLDARHSASPMGVQDFDIVRDVFSSTGCKPNPSRQHQPSPMARPLTVDEIVGQAFIFLIAGYEIITNT  
LSFATYLLATNPDCQEKLREVDVFEKHKHMAPEFCSLEEGLPYLDMVAIETLRMYPPAFRFTREAAQDCE  
VLGQRIPAGAVLEMAVGALHHDPEHWPSPETFNPERFTAEARQQHRPFTYLPFGAGPRSCLGVRGLLLEV  
KLTLHLVHLKFRFQACPETQVPLQLESKSALGPKNGVYIKIVSR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

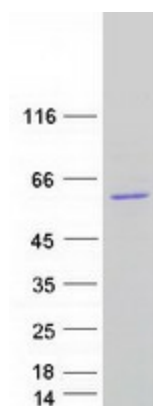
Tag:	C-Myc/DDK
Predicted MW:	60.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001124438</a>
<b>Locus ID:</b>	6916
<b>UniProt ID:</b>	<a href="#">P24557</a> , <a href="#">Q53F23</a>
<b>RefSeq Size:</b>	2385
<b>Cytogenetics:</b>	7q34
<b>RefSeq ORF:</b>	1602
<b>Synonyms:</b>	BDPLT14; CYP5; CYP5A1; GHOSAL; THAS; TS; TXAS; TXS
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, P450
<b>Protein Pathways:</b>	Arachidonic acid metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified TBXAS1 protein (Cat# [TP325917]). The protein was produced from HEK293T cells transfected with TBXAS1 cDNA clone (Cat# [RC225917]) using MegaTran 2.0 (Cat# [TT210002]).