

Product datasheet for TP508546

Tbxas1 (NM_011539) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse thromboxane A synthase 1, platelet (Tbxas1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208546 protein sequence Red=Cloning site Green=Tags(s)

MEVLGLLKFEVSGTIVTVLLVALLALLKWYSMSAFSRLEKLGIRHPKPSPFVGNLMFFRQGFWESQLEL
RERYGPLCGYYLGRRMHVVISSEPDMIKQVLVENFSNFSNRMASGLEPKMVADSVLLLRDRRWEVARGALM
SSFPEKLDGMTPLISQACELLMAHLKRYAASRDAFNIRCYCCYTIDVVASVAFGTQVDSQNSPEDPFV
QHCRRASTFCIPRLLVLILSFPSIMVPLARILPNKNRDELNGFFNTLIRNVIALRDQQAEEERRRDFLQ
MVLDAQHSMNSVGVGFDMPESLSSECTKEPPQRCHPTSTSKPFTVDEIVGQAFLLIAGHEVITNTL
SFITYLLATHPDCQERLLKEVDLFMGKHPAPEYHSLQEGLPYLDMVISETLRMYPPAFRFTREAAQDCEV
LGQRIPAGAVLEIAVGALHHDPEHWPNPETFDPERFTAEARLQRRPFTYLPFGAGPRSLGLVRLGLLVK
LTILQVLHKFRFEASPETQVPLQLESKSALGPKNGVYIKIVSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	60.4 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
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 after receiving vials.
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_035669



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Locus ID:	21391
UniProt ID:	P36423 , Q3UTF0
RefSeq Size:	1992
Cytogenetics:	6 17.85 cM
RefSeq ORF:	1602
Synonyms:	CYP5; CYP5A1; THAS; TS; TXAS; TXS
Summary:	Catalyzes the conversion of prostaglandin H2 (PGH2) to thromboxane A2 (TXA2), a potent inducer of blood vessel constriction and platelet aggregation. Cleaves also PGH2 to 12-hydroxy-heptadecatrienoicacid (12-HHT) and malondialdehyde, which is known to act as a mediator of DNA damage. 12-HHT and malondialdehyde are formed stoichiometrically in the same amounts as TXA2. Additionally, displays dehydratase activity, toward (15S)-hydroperoxy-(5Z,8Z,11Z,13E)-eicosatetraenoate (15(S)-HPETE) producing 15-KETE and 15-HETE. [UniProtKB/Swiss-Prot Function]