

Recombinant Mouse Tbxas1 Protein, Myc/DDK-tagged

Cat. No. Tbxas1-6324M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length thromboxane A synthase 1, platelet (Tbxas1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the conversion of prostaglandin H2 (PGH2) to thromboxane A2 (TXA2), a potent inducer of blood vessel constriction and platelet aggregation. Cleaves also PGH 2 to 12-hydroxy-heptadecatrienoic acid (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.
Molecular Mass	60.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Tbxas1 thromboxane A synthase 1, platelet [*Mus musculus* (house mouse)]

Official Symbol Tbxas1

Synonyms TBXAS1; thromboxane A synthase 1, platelet; thromboxane-A synthase; TXA synthase; cytochrome P450 5A1; TS; TXS; CYP5; THAS; TXAS; CYP5A1

Gene ID 21391

mRNA Refseq NM_011539

Protein Refseq NP_035669

UniProt ID P36423

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