

# Recombinant Human TBXAS1, GST-tagged

**Cat. No.** TBXAS1-3146H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TBXAS1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                        |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | C-term-290aa                                                                                                                                                      |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

## GENE INFORMATION

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| <b>Gene Name</b>       | TBXAS1 thromboxane A synthase 1 (platelet) [ Homo sapiens ]                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b> | TBXAS1                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | TBXAS1; thromboxane A synthase 1 (platelet); thromboxane A synthase 1 (platelet, cytochrome P450, subfamily V); thromboxane-A synthase; CYP5; CYP5A1; cytochrome P450; family 5; subfamily A; polypeptide 1; THAS; TS; TXAS; TXS; TXA synthase; cytochrome P450 5A1; platelet, cytochrome P450, subfamily V; cytochrome |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | P450, family 5, subfamily A, polypeptide 1; thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A); GHOSAL; BDPLT14; FLJ52771;                                                                                                             |
| <b>Gene ID</b>             | <a href="#">6916</a>                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_001061</a>                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_001052</a>                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | <a href="#">274180</a>                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">P24557</a>                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 7q34-q35                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Cytochrome P450 - arranged by substrate type, organism-specific biosystem; Eicosanoid Synthesis |
| <b>Function</b>            | electron carrier activity; heme binding; isomerase activity; metal ion binding; monooxygenase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen; thromboxane-A synthase activity;                 |