

Product datasheet for **TP701227**

Thrombomodulin (THBD) (NM_000361) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human thrombomodulin (THBD), Glu22-Ser515, with C-terminal His tag, expressed in HEK293 cells, 50ug |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | A DNA sequence from TrueORF clone, RC207598, encoding the region(Glu22-Ser515) of THBD |
| Tag: | C-His |
| Predicted MW: | 52.9 kDa |
| Concentration: | >0.1 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | PBS, pH 7.4, 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_000352 |
| Locus ID: | 7056 |
| UniProt ID: | P07204 |
| RefSeq Size: | 4048 |
| Cytogenetics: | 20p11.21 |
| RefSeq ORF: | 1725 |
| Synonyms: | AHUS6; BDCA-3; BDCA3; CD141; THPH12; THRM; TM |



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Summary:

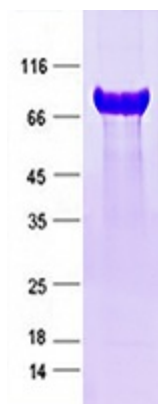
The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Complement and coagulation cascades

Product images:

Purified recombinant protein THBD was analyzed by SDS-PAGE gel and Coomassie Blue Staining.