

## THBS1 Protein, Mouse (His)

|                   |                                    |
|-------------------|------------------------------------|
| Cat. No.:         | HY-P701325                         |
| Synonyms:         | Thrombospondin-1; THBS1; TSP; TSP1 |
| Species:          | Mouse                              |
| Source:           | E. coli                            |
| Accession:        | Q80YQ1 (N19-K350)                  |
| Gene ID:          | 21825                              |
| Molecular Weight: | 40.6 kDa                           |

### PROPERTIES

|                     |  |
|---------------------|--|
| AA Sequence         | <pre> NRIPESGGDN   GVFDIFELIG   GARRGPGRRL   VKGQDLSSPA FRIENANLIP   AVPDDKFQDL   LDAVWADKGF   IFLASLRQMK KTRGTLlave   RKDNTGQIFS   VVSNKGAGTL   DLSLSLPGKQ QVVSVEEALL   ATGQWKSITL   FVQEDRAQLY   IDCCKMESAE LDVPIQSIFT   RDLASVARLR   VAKGDVNDNF   QGVLQNVRFV FGTTPEDILR   NKGCS SATN   VLLTLDNNVV   NGSSPAIRTN YIGHKTKDLQ   AICGLSCDEL   SSMVLELKGL   RTIVTTLQDS IRKVTEENRE   LVSELKRPLL   CFHNGVQYKN   NEEWTVD SCT EHCQNSVTI   CK           </pre> |
| Appearance          | Lyophilized powder   |
| Formulation         | Lyophilized from a 0.22 µm filtered solution of 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.   |
| Endotoxin Level     | <1 EU/µg, determined by LAL method.  |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.  |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.   |
| Shipping            | Room temperature in continental US; may vary elsewhere.  |

### DESCRIPTION

|            |   |
|------------|---|
| Background | The THBS1 protein belongs to the thrombospondin family, a group of extracellular matrix proteins involved in various biological processes. THBS1 plays a crucial role in cell-matrix interactions, tissue remodeling, and angiogenesis. It is known for its ability to bind to multiple receptors, including integrins and CD36, and modulate signaling pathways involved in cell adhesion, migration, and survival. THBS1 is also implicated in the regulation of inflammation and immune responses. |
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However, it should be noted that the THBS1 protein lacks conserved residue(s) required for the propagation of feature annotation, which may impact its function and interactions. Further research is needed to fully understand the significance of this observation and its implications for THBS1's role in physiological and pathological processes.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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