

Recombinant Human THSD1 Protein

Catalog No.: RP00253 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	55901	Q9NS62-2

Tags

C-His

Synonyms

THSD1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
38.63 kDa	55-70 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Human Thrombospondin type-1 domain-containing protein 1 (THSD1) also known as Transmembrane molecule with thrombospondin module (TMTSP), is a single-pass type I membrane protein. In addition, THSD1 is widely expressed on endothelial cells, with highest expression in the lung. THSD1's ligand and function are unknown, but it is postulated that THSD1 may be involved in the regulation of vasculogenesis and/or angiogenesis through its interaction with its specific ligand.

Basic Information

Description

Recombinant Human THSD1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu 25 - Ile 361) of human THSD1 (Accession #NP_954872.1) fused with a 6×His tag at the C-terminus.

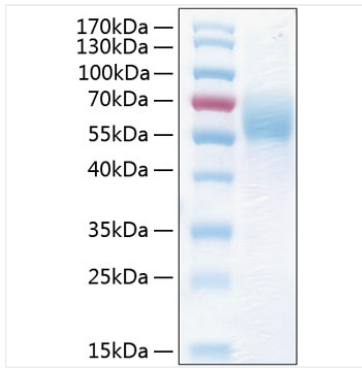
Bio-Activity

Measured by the ability of the immobilized protein to support the adhesion of SVEC4-10 mouse vascular endothelial cells. When 5×10⁴ cells/well are added to rhTHSD1 coated plates (30 μg/mL, 100 μL/well), approximately 13-17% will adhere after 60 minutes at

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human THSD1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-75 kDa.