

Recombinant Human THSD1 Protein

Catalog No.: RP00253

Sequence Information

Species **Gene ID**
Human 55901

Swiss Prot **Tags**
Q9NS62-2 C-His

Synonyms
THSD1

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined 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.

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.

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

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

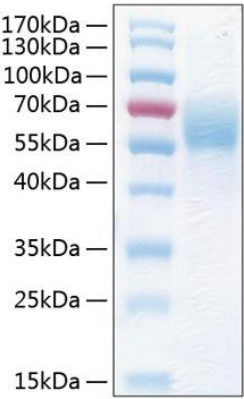
Contact

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Validation Data



Recombinant Human THSD1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.