

Active Recombinant Mouse Thbs4, His-tagged

Cat. No. Thbs4-120M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Thbs4 (Gln27-Asn963), fused with a C-terminal 6-His tag, was expressed in CHO Cells.
Species	Mouse
Source	CHO
ProteinLength	27-963 a.a.
Description	Thrombospondin-4 is a protein that in humans is encoded by the THBS4 gene. The protein encoded by this gene belongs to the thrombospondin protein family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentamer and can bind to heparin and calcium. Studies of the rat counterpart suggest that this protein may be involved in local signaling in the developing and adult nervous system.
Predicted N Terminal	Gln27
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of SVEC4 10 mouse vascular endothelial cells. The ED50 for this effect is typically 0.1-0.5 µg/mL.
Molecular Mass	104.4 kDa

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Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 200 µg/mL in PBS.
GENE INFORMATION	
Gene Name	Thbs4 thrombospondin 4 [Mus musculus (house mouse)]
Official Symbol	Thbs4
Synonyms	Thbs4; TSP4; thrombospondin 4; thrombospondin-4
Gene ID	21828
mRNA Refseq	NM_011582
Protein Refseq	NP_035712
UniProt ID	Q9Z1T2
Chromosome Location	13 C3; 13 47.75 cM
Pathway	ECM-receptor interaction; Focal adhesion; PI3K-Akt signaling pathway; Signal Transduction
Function	calcium ion binding; collagen binding; fibronectin binding

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