

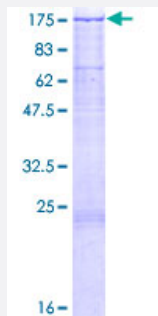
Full-Length

THBS4 (Human) Recombinant Protein (P01)

Catalog # H00007060-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human THBS4 full-length ORF (NP_003239.2, 1 a.a. - 961 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLAPRGA AVL L L L H L V L Q R W L A A G A Q A T P Q V F D L L P S S S Q R L N P G A L L P V L T D P A L N D L Y V I S T F K L
Q T K S S A T I F G L Y S S T D N S K Y F E F T V M G R L N K A I R Y L K N D G K V H L V V F N N L Q L A D G R R H R I L L R L S N
L Q R G A G S L E L Y L D C I Q V D S V H N L P R A F A G P S Q K P E T I E L R T F Q R K P Q D F L E E L K L V V R G S L F Q V A
S L Q D C F L Q Q S E P L A A T G T G D F N R Q F L G Q M T Q L N Q L L G E V K D L L R Q Q V K E T S F L R N T I A E C Q A C G
P L K F Q S P T P S T V V P P A P P A P P T R P P R R C D S N P C F R G V Q C T D S R D G F Q C G P C P E G Y T G N G I T C I D
V D E C K Y H P C Y P G V H C I N L S P G F R C D A C P V G F T G P M V Q G V G I S F A K S N K Q V C T D I D E C R N G A C V P
N S I C V N T L G S Y R C G P C K P G Y T G D Q I R G C K A E R N C R N P E L N P C S V N A Q C I E E R Q G D V T C V C G V G W
A G D G Y C G K D V D I D S Y P D E E L P C S A R N C K K D N C K Y P N S G Q E D A D R D G I G D A C D E D A D G D G I L N
E Q D N C V L I H N V D Q R N S D K D I F G D A C D N C L S V L N N D Q K D T D G D G R G D A C D D D M D G D G I K N I L D N
C P K F P N R D Q R D K D G D G V G D A C D S C P D V S N P N Q S D V D N D L V G D S C D T N Q D S D G D G H Q D S T D
N C P T V I N S A Q L D T D K D G I G D E C D D D D D N D G I P D L V P P G P D N C R L V P N P A Q E D S N S D G V G D I C E S
D F D Q D Q V I D R I D V C P E N A E V T L T D F R A Y Q T V V L D P E G D A Q I D P N W V V L N Q G M E I V Q T M N S D P G L A
V G Y T A F N G V D F E G T F H V N T Q T D D D Y A G F I F G Y Q D S S S F Y V M W K Q T E Q T Y W Q A T P F R A V A E P G I
Q L K A V K S K T G P G E H L R N S L W H T G D T S D Q V R L L W K D S R N V G W K D K V S Y R W F L Q H R P Q V G Y I R V R
F Y E G S E L V A D S G V T I D T T M R G G R L G V F C F S Q E N I W S N L K Y R C N D T I P E D F Q E F Q T Q N F D R F D N

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

132.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — THBS4

Entrez GeneID	7060
GeneBank Accession#	NM_003248.3
Protein Accession#	NP_003239.2
Gene Name	THBS4
Gene Alias	TSP4
Gene Description	thrombospondin 4
Omim ID	600715
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	-

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [TGF-beta signaling pathway](#)

Disease

- [Atherosclerosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hepatitis B](#)
- [Kidney Failure](#)
- [Maduromycosis](#)
- [Myocardial Infarction](#)
- [Obstetric Labor](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)

- [Premature Birth](#)
- [Werner syndrome](#)