

Thrombospondin Type-1 Domain-Containing 7A Recombinant Protein | THSD7A recombinant protein

Recombinant Human Thrombospondin Type-1 Domain-Containing Protein 7A, THSD7A

CATALOG # AAA11699	HOST HEK293	REACTIVITY Human
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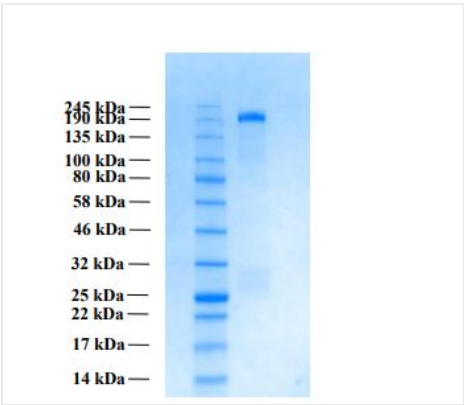
PRODUCT SYNONYMS

Thrombospondin Type-1 Domain-Containing 7A; Recombinant Human Thrombospondin Type-1 Domain-Containing Protein 7A; THSD7A; Thrombospondin Type-1 Domain-Containing Protein 7A; THSD7A recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293
Reactivity	Human
Purity/Purification	>95% as estimated by SDS-PAGE stained with Instant Blue Stain (Expedeon).
Form/Format	PBS 20% Glycerol
Sequence Positions	48-1606aa
Sequence	AAQGEAEAPT LYLWKTGPWG RCMGDECGPG GIQTRAVWCA HVEGWTTLHT NCKQAERPNN QQNCFKVCWDV HKELYDWRLG PWNQCQPVIS KSLEKPLECI KGEEGIQVRE IACIQKDKDI PAEDIICEYF EPKPLLEQAC LIPCQQDCIV SEFSAWSECS KTCGSGLQHR TRHVAPPQF GGSGCPNLTE FQVCQSSPCE AEELRYSLHV GPWSTCSMPH SRQVRQARRR GKNKEREKDR SKGVKDPEAR ELIKKKRNRN RQNRQENKYW DIQIGYQTRE VMCINKTGKA ADLSFCQQEK LPMTFQSCVI TKECQVSEWS EWSPCSKTCH DMVSPAGTRV RTRTIRQFPI GSEKECPEFE EKEPCLSQGD GVVPCATYGW RTTEWTECRV DPLLSQQDKR RGNQTALCGG GIQTREVCV QANENLLSQL STHKNKEASK PMDLKLCTGP IPNTTQLCHI PCPTECEVSP WSAWGPCTYE NCNDQQGKKG FKLRRRITN EPTGGSGVTG NCPHLLEAIP CEEPACYDWK AVRLGNCEPD NGKECGPGTQ VQEVVCINS D GEEVDRQLCR DAIFPIPVAC DAPCPKDCVL STWSTWSSCS HTCSGKTTEG KQIRARSILA YAGEEGGIRC PNSSALQEV R SCNEHPCTVY HWQTGPWGQC IEDTSVSSFN TTTTWNGEAS CSVGMQTRKV ICVRVNVGQV GPKKCPESLR PETVRPCLLP CKKDCIVTPY SDWTSCPSSC KEGDSSIRKQ SRHRVIIQLP ANGGRDCTDP LYEEKACEAP QACQSYRWKT HKWRRQCQLVP WSVQQDSPGA QEGCGPGRQA RAITCRKQDG GQAGIHECLQ YAGPVPALTQ ACQIPCQDDC QLTWSKFSS CNGDCGAVRT RKRTLVGKSK KKEKCKNSHL YPLIETQYCP CDKYNAPVG NWSDCILPEG KVEVLLGMKV QGDIKECGQG YRYQAMACYD QNGRLVETSR CNSHG YIEEA CIIPCSDCK LSEWSNWSRC SKSCGSGVKV RSKWLREKPY NGGRPCPKLD HVNQAQVYEV VPCHSDCNQY LWVTEPWSIC KVTFVNMREN CGEGVQTRKV RCMQNTADGP SEHVEDYLCD PEEMPLGSRV CKLPCPEDCV ISEWGPWTQC VLPNCQSSFR QRSADPIRQP ADEGRSCPNA VEKEPCNLNK NCYHYDYNVT DWSTCQLSEK AVCGNGIKTR MLDCVRSDGK SVDLKYCEAL GLEKNWQMNT SCMVECPVNC QLSDWSPWSE CSQTCGLTGK MIRRRVTQ P FQGDGRPCPS LMDQSKPCPV KPCYRWQYGG WSPCQVQEAQ CGEGTRTRNI SCVSDGSAD DFSKVDEEF CADIELIIDG NKNMVLEESC SQPCPGDCYL KDWSSWSLCQ LTCVNGEDLG FGGIQVRSRP VIIQELNQH LCPEQMLET K SCYDGQCYEY KWMASAWKGS SRTVWCQRSD GINVTGGCLV MSQPDADRSC NPPCSQPHSY CSETKTCHCE EGYTEVMSSN STLEQCTLIP VVVLPTMEDK RGDVKTSRAV HPTQPSSNPA GRGRTWFLQP FPGDGR LKTH HHHHHHHHH
Tag	10xHis at the C terminus
Endotoxins	Less than 0.1 ng/ ug (1 IEU/ug), as measured by LAL method.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	The protein should be stored at -20°C to -80°C preferably in small aliquots to avoid repeated freeze-thaw cycles. Stability: 12 months at -20°C to -80°C and 1 month at 2°C to 8°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for THSD7A recombinant protein	Background: THSD7A was first identified as an endothelial protein that is expressed in the vascular system of the placenta (1). It is expressed by cells of endothelial and neuronal lineage. The soluble form of THSD7A promotes endothelial cell migration and filopodia formation during angiogenesis via a FAK-dependent mechanism (2). This protein may be involved in cytoskeletal organization. Variations in this gene may be associated with low bone mineral density in osteoporosis. THSD7A is expressed on podocytes and is responsible for 2-5% of patients with idiopathic membranous nephropathy.
References	Fresquet M., Rhoden S.J., Jowitt TA., McKenzie EA., Roberts I., Lennon R. and PE. Brenchley. Autoantigens PLA2R1 and THSD7A in Membranous Nephropathy Share a Common Epitope Motif in the N-terminal Domain. Journal of Autoimmunity. 106, pp 1-12. 2020.

NCBI AND UNIPROT INFORMATION

NCBI GI #	150170672
NCBI GeneID	221981
NCBI Accession #	NP_056019.1
NCBI GenBank Nucleotide #	NM_015204.2
UniProt Accession #	Q9UPZ6
Molecular Weight	Predicted Molecular weight : 176 kDa Estimated MW SDS-PAGE: 215 kDa
NCBI Official Full Name	thrombospondin type-1 domain-containing protein 7A
NCBI Official Synonym Full Names	thrombospondin type 1 domain containing 7A
NCBI Official Symbol	THSD7A
NCBI Protein Information	thrombospondin type-1 domain-containing protein 7A
UniProt Protein Name	Thrombospondin type-1 domain-containing protein 7A
UniProt Gene Name	THSD7A
UniProt Synonym Gene Names	KIAA0960

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.