

Recombinant Human Thrombospondin 1 Protein

Catalog #	Source	Reactivity	Applications
CRP2827	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human Thrombospondin 1 Protein is produced by mammalian expression system and the target gene encoding Asn19-Pro1170 is expressed
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Gene Symbol	THBS1
Alternative Names	TSP; TSP1; Thrombospondin-1
Entrez Gene	7057 (Human)
SwissProt	P07996 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	<p>NRIPESGGDN SVFDIFELTG AARKGSGRRL VKGPDSPSPA FRIEDANLIP PVPDDKFQDL</p> <p>VDAVRAEKGF LLLASLRQMK KTRGTLLALE RKDHSGQVFS VVSNGKAGTL DLSLTVQGKQ</p> <p>HVVSVEEALL ATGQWKSITL FVQEDRAQLY IDCEKMENAE LDVPIQSVFT RDLASLARLR</p> <p>IAKGGVNDNF QGVLQNVRFV FGTPEDILR NKGCSSTSV LLTDNNVVN GSSPAIRTNY</p> <p>IGHKTKDLQA ICGISCELS SMVLELRGLR TIVTTLQDSI RKVTEENKEL ANELRRPPLC</p> <p>YHNGVQYRNN EEWTVDSCTE CHCQNSVTIC KKVSCPIMPC SNATVPDGEC CPRCWPSDSA</p> <p>DDGWSPWSEW TSCSTSCGNG IQQRGRSCDS LNNRCEGSSV QTRTCHIQEC</p> <p>DKRFKQDGGW SHWSPWSSCS VTCGDGVITR IRLCNSPSPQ MNGKPCEGEA</p> <p>RETKACKKDA CPINGGWGPW SPWDICSVTC GGGVQKRSRL CNNPTPQFGG</p> <p>KDCVGDVTEN QICNKQDCPI DGCLSNPCFA GVKCTSYPDG SWKCGACPPG YSGNGIQCTD</p> <p>VDECKEVPDA CFNHNGEHRC ENTDPGYNCL PCPPRFTGSQ PFGQGVEHAT</p> <p>ANKQVCKPRN PCTDGTHDCN KNAKCNLYLGH YSDPMYRCEC KPGYAGNGII</p> <p>CGEDTDLGW PNENLVCVAN ATYHCKKDNC PNLPSNGQED YDKDGIGDAC</p>

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

DDDDNDKIP DDRDNCPFHY NPAQYDYDRD DVGDRCDNCP YNHNPQADT
DNNEGDACA ADIDGDGILN ERDNCQYVYN VDQRDTMDMG VGDQCDNCP
EHNPDQLDSD SDRIGDTCDN NQDIDEDGHQ NNLDNCPYVP NANQADHDKD
GKGDACDHDD DNDGIPDDKD NCRLVPNPQ KDSGDGGRGD ACKDDFDHDS
VPDIDDICPE NVDISETDFR RFQMIPLDPK GTSQNDPNWV VRHQGKELVQ TVNCDPGLAV
GYDEFNAVDF SGTFFINTER DDDYAGFVFG YQSSRFYVW MWKQVTQSYW DTNPTRAQGY
SGLSVKVVNS TTGPGEHLRN ALWHTGNTPG QVRTLWHDPR HIGWKDFTAY
RWRLSHRPKT GFIRVVMYEG KKIMADSGPI YDKTYAGGRL GLFVFSQEMV FFSDLKYECR
DPGGGGSHHH HHHHHHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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