

Spondin 1 (SPON1) Recombinant Protein | SPON1 recombinant protein

Recombinant Spondin 1 (SPON1)

CATALOG # AAA135599	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Spondin 1 (SPON1); Recombinant Spondin 1 (SPON1); SPON1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	AETSQAEKCM MPECHTIPCL LSPWSEWSDC SVTCGKGMRT RQRMLKSLAE LGDCNEDLEQ VEKCMLEPCP IDCELTEWSQ WSECNKSCGK GHVIRTRMIQ MEPQFGGAPC PETVQRKKCR IRKCLRNPSI QKLRWREARE SRRSEQLKEE SEGEQFPGCR MRPWTAWSEC TKLCGGGIQE RYMTVKKRFK SSQFTSCKDK KEIRA
Applicable Applications for SPON1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala597~Ala801
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	8.7
Phenomenon Explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	110347423
NCBI GeneID	10418
NCBI Accession #	NP_006099.2
NCBI GenBank Nucleotide #	NM_006108.3
UniProt Accession #	Q9HCB6; O94862; Q8NCD7; Q8WUR5; A8K6W5
Molecular Weight	Predicted Molecular Mass: 25.1kDa Accurate Molecular Mass: 29kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	spondin-1
NCBI Official Synonym Full Names	spondin 1, extracellular matrix protein
NCBI Official Symbol	SPON1
NCBI Official Synonym Symbols	f-spondin; VSGP/F-spondin
NCBI Protein Information	spondin-1; spondin 1, (f-spondin) extracellular matrix protein; vascular smooth muscle cell growth-promoting factor
UniProt Protein Name	Spondin-1
UniProt Gene Name	SPON1
UniProt Synonym Gene Names	KIAA0762; VSGP
UniProt Entry Name	SPON1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/spon1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/135599>