

Heparan Sulfate Proteoglycan (HSPG) Recombinant Protein | HSPG recombinant protein

Recombinant Heparan Sulfate Proteoglycan (HSPG)

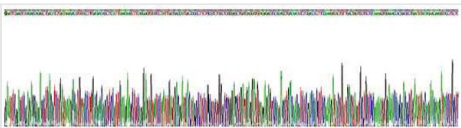
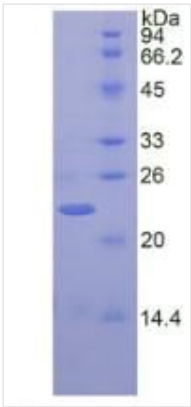
CATALOG # AAA20215	HOST E.coli	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Heparan Sulfate Proteoglycan (HSPG); Recombinant Heparan Sulfate Proteoglycan (HSPG); HSPG recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 5% Trehalose
Concentration	150ug/mL (varies by lot)
Applicable Applications for HSPG recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Glu19~Glu144
Tags	N-terminal His Tag
Subcellular Location	Membrane
Isoelectric point	4.7
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
Reconstitute	Reconstitute in 10mM PBS (pH7.4) 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°C for one month. Aliquot and store at -80°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°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.



Gene Sequencing (Extract)

SDS-PAGE

ES RAELTSDKDM YLDNSSIEEA SGVYPIDDDD
YASASGSGAD EDVESPELTT SRPLPKILLT SAAPKVETTT LNIQNKIPAQ
TKSPEETDKE KVHLSDSERK MDPAEEDTNV YTEKHSDSLF KRTE

Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	40548378
NCBI GeneID	6383
NCBI Accession #	NP_002989.2
NCBI GenBank Nucleotide #	NM_002998.3
UniProt Accession #	P34741; Q6PIS6; Q9H6V1; B3KQA3
Molecular Weight	Predicted Molecular Mass: 15.2kDa Accurate Molecular Mass: 23kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	syndecan-2
NCBI Official Synonym Full Names	syndecan 2
NCBI Official Symbol	SDC2
NCBI Official Synonym Symbols	HSPG; CD362; HSPG1; SYND2
NCBI Protein Information	syndecan-2; fibroglycan; syndecan proteoglycan 2; heparan sulfate proteoglycan core protein; cell surface-associated heparan sulfate proteoglycan 1; heparan sulfate proteoglycan 1, cell surface-associated
UniProt Protein Name	Syndecan-2
UniProt Gene Name	SDC2
UniProt Synonym Gene Names	HSPG1; SYND2; HSPG
UniProt Entry Name	SDC2_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.