Heparan Sulfate Proteoglycan 2 (HSPG2) Recombinant Protein | HSPG2 recombinant protein

Recombinant Heparan Sulfate Proteoglycan 2 (HSPG2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20257	**E.coli**	**Homo sapiens (Human)**	**SDS-Page, Western Blot**

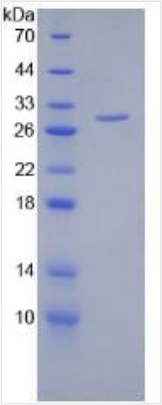
PRODUCT SYNONYMS

Heparan Sulfate Proteoglycan 2 (HSPG2); Recombinant Heparan Sulfate Proteoglycan 2 (HSPG2); HSPG2 recombinant protein

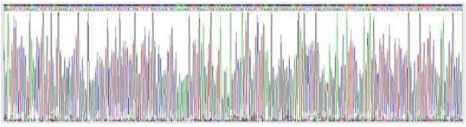
PRODUCT SPECIFICATIONS

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 and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for HSPG2 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	Leu4149~Ser4391
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	6.0
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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



Identification
Gene identification (extract

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                                                    LR
EPCLHGGTCQ GTRCLCLPGF SGPRCQQGSG HGIAESDWHL EGSGGNDAPG
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GEAGQGKDFI SLGLQDGHLV FRYQLGSGEA RLVSEDPIND GEWHRVTALR
EGRRGSIQVD GEELVSGRSP GPNVAVNAKG SVYIGGAPDV ATLTGGRFSS
GITGCVKNLV LHSARPGAPP PQPLDLQHRA QAGANTRPCP S
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Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	126012571
NCBI GeneID	3339
NCBI Accession #	NP_005520.4
NCBI GenBank Nucleotide #	NM_005529.5
UniProt Accession #	P98160; Q16287; Q5SZI3; Q9H3V5
Molecular Weight	Predicted Molecular Mass: 27.0kDa Accurate Molecular Mass: 28kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	basement membrane-specific heparan sulfate proteoglycan core protein
NCBI Official Synonym Full Names	heparan sulfate proteoglycan 2
NCBI Official Symbol	HSPG2
NCBI Official Synonym Symbols	PLC; SJA; SJS; HSPG; SJS1; PRCAN
NCBI Protein Information	basement membrane-specific heparan sulfate proteoglycan core protein; perlecan proteoglycan; endorepellin (domain V region)
UniProt Protein Name	Basement membrane-specific heparan sulfate proteoglycan core protein
UniProt Gene Name	**HSPG2**
UniProt Synonym Gene Names	HSPG; PLC
UniProt Entry Name	PGBM_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://www.aaabiotech.com/hspg2-recombinant-protein-e-coli-positive-control-immunogen-sds-page-wb-western-blot/20257