

Human Basement membrane-specific heparan sulfate proteoglycan core protein ELISA Kit | HSPG2 elisa kit

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CATALOG #
AAA102490

REACTIVITY
Human

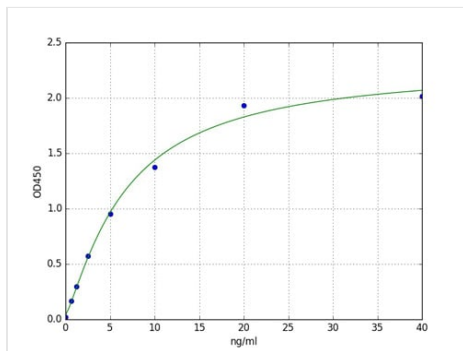
PRODUCT SYNONYMS

Basement membrane-specific heparan sulfate proteoglycan core protein; Human Basement membrane-specific heparan sulfate proteoglycan core protein ELISA Kit; HSPG2/PLC/HSPG/PRCAN/SJA/SJS/SJS1/Perlecan/endorepellin (domain V region)/heparan sulfate proteoglycan 2/perlecan proteoglycan/PLCSchwartz-Jampel syndrome 1 (chondrodystrophic myotonia)/; HSPG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	4391
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human HSPG2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.021	0.100	0.181	0.310	0.554	0.916	1.423	2.052

ADDITIONAL INFORMATION

Related Product Information for HSPG2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human HSPG2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human HSPG2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human HSPG2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human HSPG2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	126012571
NCBI GeneID	3339
NCBI Accession #	NP_005520.4
NCBI GenBank Nucleotide #	NM_005529.6
Molecular Weight	468,830 Da
NCBI Official Full Name	basement membrane-specific heparan sulfate proteoglycan core protein isoform b
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
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://stage.aaabiotech.com/hspg2-human-elisa-kits/basement-membrane-specific-heparan-sulfate-proteoglycan-core-protein/102490>