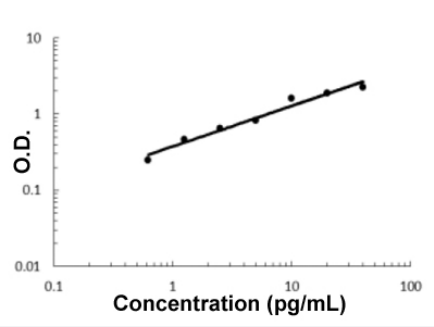
# HSPG2 (Human) ELISA Kit

Catalog # KA5542 Size 1 Kit

## Applications




The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

| | |
|---|---|
| **Product Description** | HSPG2 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human HSPG2. |
| **Suitable Sample** | Cell Culture Supernates, Plasma (Citrate, EDTA, Heparin) and Serum |
| **Sample Volume** | 100 uL |
| **Label** | HRP-conjugated |
| **Detection Method** | Colorimetric |
| **Assay Type** | Quantitative |
| **Calibration Range** | 0.624 to 40 ng/mL |
| **Reactivity** | Human |
| **Regulatory Status** | For research use only (RUO) |
| **Quality Control Testing** | Standard curve<br>The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed. |
| **Storage Instruction** | Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles. |

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## Applications

- Quantification

## Gene Info — HSPG2

| | |
|---|---|
| **Entrez GeneID** | 3339 |
| **Protein Accession#** | P98160 |
| **Gene Name** | HSPG2 |
| **Gene Alias** | PLC, PRCAN, SJA, SJS, SJS1 |
| **Gene Description** | heparan sulfate proteoglycan 2 |
| **Omim ID** | 142461 224410 255800 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Heparan sulfate proteoglycan is a major component of basement membranes, where the molecule may be involved in the stabilization of other molecules as well as being involved with glomerular permeability to macromolecules and cell adhesion. This form of HSPG, known as HSPG2 or perlecan, is encoded by a gene that maps to chromosome 1. The gene for the form of HSPG associated with the cell surface of fibroblasts has been mapped to human chromosome 8 (MIM 142460).[ supplied by OMIM |
| **Other Designations** | OTTHUMP00000002765\|Schwartz-Jampel syndrome 1 (chondrodystrophic myotonia)\|endorepellin (domain V region)\|heparan sulfate proteoglycan of basement membrane\|perlecan proteoglycan |

## Pathway

- ECM-receptor interaction

## Disease

- Alzheimer disease
- Aortic Aneurysm
- Cardiovascular Diseases
- Chorioamnionitis

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- Chronic Disease
- Diabetes Mellitus
- Disease Progression
- Dyskinesia
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Intracranial Aneurysm
- Mitral Valve Prolapse
- Nephrolithiasis
- Obstetric Labor
- Periodontitis
- Pre-Eclampsia
- Premature Birth
- Schizophrenia
- Spinal Muscular Atrophies of Childhood

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