

Human Versican/PG-M/PG-350 (VS) ELISA Kit

Catalog No: #EK5892



Package Size: #EK5892-1 48T #EK5892-2 96T

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Description

Product Name	Human Versican/PG-M/PG-350 (VS) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CSPG2; VCAN; ERVR; PG-M; WGN; WGN1; Chondroitin Sulfate Proteoglycan 2; Versican Proteoglycan; DKFZp686K06110; GHAP; Glial hyaluronate-binding protein
Accession No.	P13611
Uniprot	P13611
GeneID	1462;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:78.1-5000 pg/mL

Sensitivity:32 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate VCAN in samples. An antibody specific for VCAN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVCAN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VCAN is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VCAN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Versican is a large chondroitin sulfate proteoglycan with an apparent molecular mass of more than 1000kDa. In 1989, Zimmermann and Ruoslahti cloned and sequenced the core protein of fibroblast chondroitin sulfate proteoglycan. They designated it versican in recognition of its versatile modular structure. Versican belongs to the lectican protein family, with Aggrecan (abundant in Cartilage), Brevican and Neurocan (nervous system proteoglycans) as other members.

Versican is also known as Chondroitin sulfate proteoglycan core protein 2 (CSPG-2), PG-M, and Chondroitin sulfate proteoglycan 2. These proteoglycans share a homologous globular N-terminal, C-terminal, and glycosaminoglycan (GAG) binding regions.

Note: This product is for in vitro research use only