

Recombinant Human Versican protein ab152303

1 Image

Description	
Product name	Recombinant Human Versican protein
Expression system	Wheat germ
Accession	<u>AAH50524.1</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MFINKSILWMCSTLIVTHALHKVKVGKSPPVRGSLSGKVS LPCHFSTMP TLPPSYNTSEFLRIKWSKIEVDKNGKDLKETTVLVAQNGNI KIGQDYKGR VSVPTHPEAVGDASLTVVKLLASDAGLYRCDVMYGIEDTQ DTVSLTVDGV VFHYRAATSRYTLNFEAAQKACLDVGAVIATPEQLFAAYE DGFEQCDAGW LADQTVRYPIRAPRVGCYGDKMGKAGVRTYGFRSPQETY DVYCYVDHLDG DVFHLTVPSKFTFEEAAKECENQDARLATVGELQAAWRN GFDQCDYGWLS DASVRHPVTVARAQCGGGLLGVRTLYRFENQTGFPPPD S RFDAYCFKRKC LIPF
Predicted molecular weight	66 kDa including tags
Amino acids	1 to 354

Specifications	
Our Abpromise guarantee covers the use of ab152303 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	Western blot SDS-PAGE ELISA
Form	Liquid

Additional notes

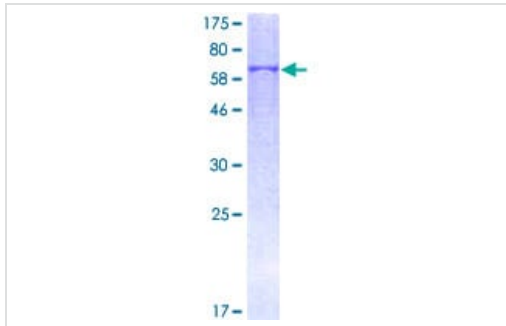
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	May play a role in intercellular signaling and in connecting cells with the extracellular matrix. May take part in the regulation of cell motility, growth and differentiation. Binds hyaluronic acid.
Tissue specificity	Cerebral white matter and plasma. Isoform V0 and isoform V1 are expressed in normal brain, gliomas, medulloblastomas, schwannomas, neurofibromas, and meningiomas. Isoform V2 is restricted to normal brain and gliomas. Isoform V3 is found in all these tissues except medulloblastomas.
Involvement in disease	Defects in VCAN are the cause of Wagner syndrome type 1 (WGN1) [MIM:143200]. WGN is a dominantly inherited vitreoretinopathy characterized by an optically empty vitreous cavity with fibrillary condensations and a preretinal avascular membrane. Other optical features include progressive chorioretinal atrophy, perivascular sheathing, subcapsular cataract and myopia. Systemic manifestations are absent in WGN.
Sequence similarities	Belongs to the aggrecan/versican proteoglycan family. Contains 1 C-type lectin domain. Contains 2 EGF-like domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain. Contains 2 Link domains. Contains 1 Sushi (CCP/SCR) domain.
Developmental stage	Disappears after the cartilage development.
Post-translational modifications	Phosphorylation sites are present in the extracellular medium.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Images



SDS-PAGE - Recombinant Human Versican protein
(ab152303)

12.5% SDS-PAGE analysis of ab152303 stained with Coomassie Blue.

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