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Datasheet for ABIN7275645

CSPG5 Protein (AA 31-423) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	CSPG5
Protein Characteristics:	AA 31-423
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSPG5 protein is labelled with His tag.

Product Details

Purpose:	Human CSPG5 Protein
Sequence:	Val31-Cys423
Characteristics:	Recombinant Human CSPG5 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val31-Cys423.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 94 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CSPG5
Alternative Name:	CSPG5 (CSPG5 Products)

Target Details

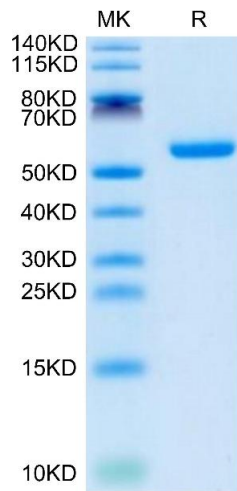
Background:	Chondroitin sulfate proteoglycan 5 (CSPG-5), also known as neuroglycan C, has been previously associated to differentiation since it shapes neurite growth and synapse forming. CSPG-5 expression shifts in brain areas of the default mode network of suicide victims, which may reflect an impact in the pathogenesis of psychiatric diseases or support diagnostic power.
Molecular Weight:	42.47 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Tris-Bis PAGE result.
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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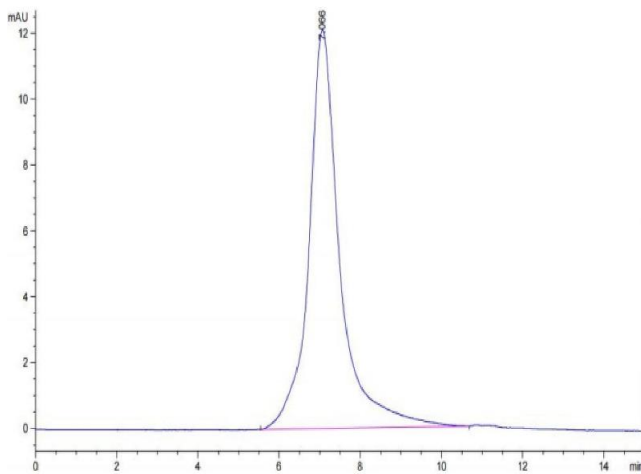
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human CSPG5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CSPG5 is greater than 95 % as determined by SEC-HPLC.