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Datasheet for ABIN7275646

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

2 Images

Overview

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

Product Details

Purpose:	Mouse CSPG5 Protein
Sequence:	Val31-Cys423
Characteristics:	Recombinant Mouse 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, > 95 % 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: CALEB also known as chondroitin sulfate proteoglycan (CSPG)5 or neuroglycan C, is a neural chondroitin sulfate-containing and epidermal growth factor (EGF)-domain-containing transmembrane protein that is implicated in synaptic maturation. An involvement of CALEB in the presynaptic differentiation of cerebellar GABAergic synapses and revealed a new role for CALEB in synapse elimination in Purkinje cells.

Molecular Weight: 42.69 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Tris-Bis PAGE result.

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

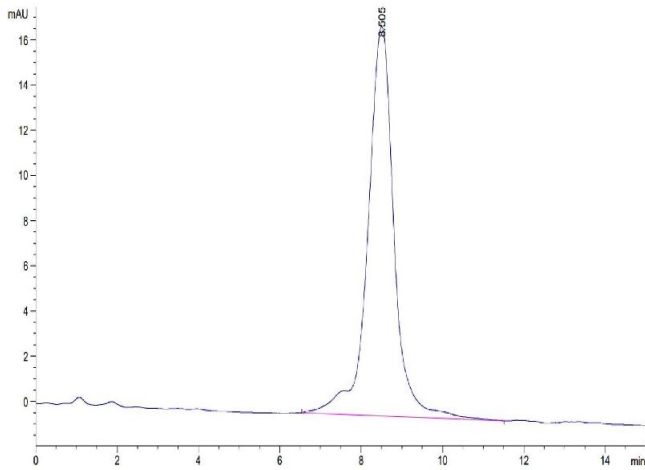
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse CSPG5 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse CSPG5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .