

Mouse CSPG5 Protein



Cat. No. SPG-MM105

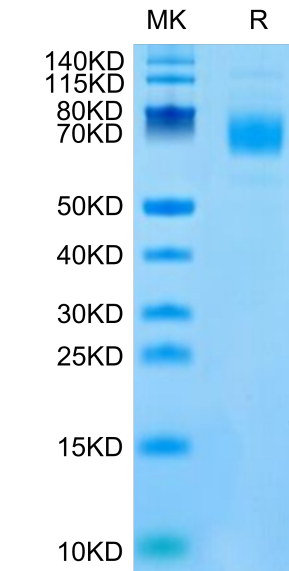
Description	
Source	Recombinant Mouse CSPG5 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val31-Cys423.
Accession	AAH55736
Molecular Weight	The protein has a predicted MW of 42.69 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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.	

Assay Data

Bis-Tris PAGE



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

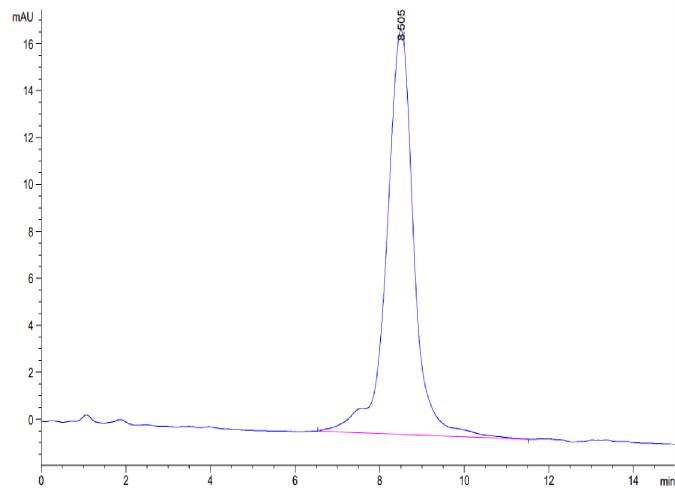
SEC-HPLC

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Assay Data



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