

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

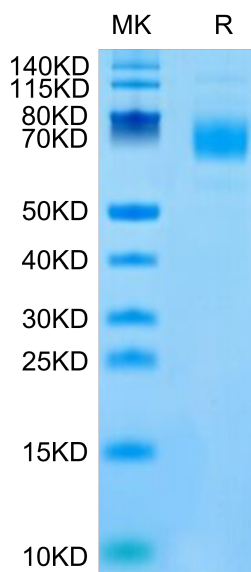
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

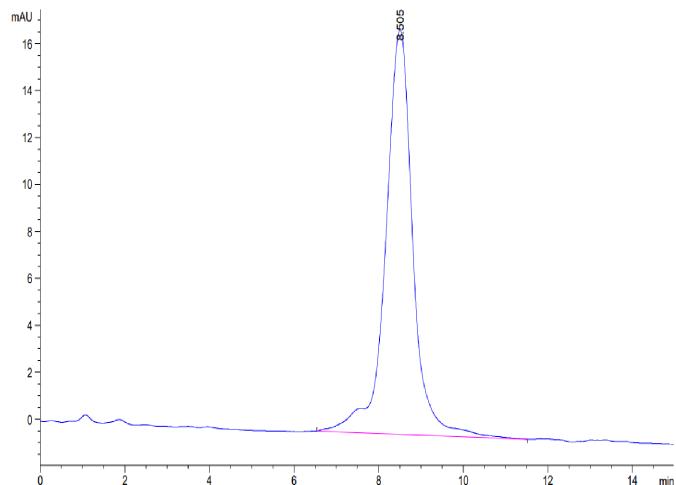
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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