

Rev03
 Update: Aug,08,2025

DATASHEET

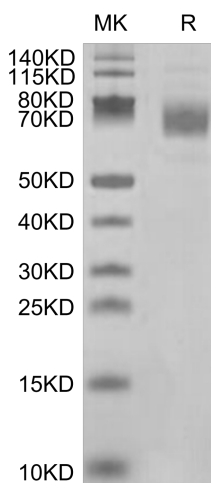
CSPG5, His, Mouse

Cat. No.: Z06075

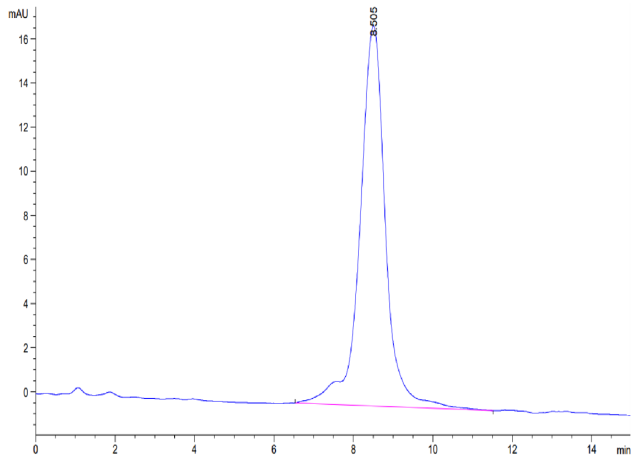
Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CSPG5 (Val31-Cys423)_x000D_ Accession # AAH55736 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	42.69 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



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



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

Background

Target 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.

Synonyms : Chondroitin sulfate proteoglycan 5;Cspg5;Caleb;Ngc; CALEB;MGC44034;Neuroglycan C;NGC

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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