

Rev03
 Update: Aug,08,2025

DATASHEET

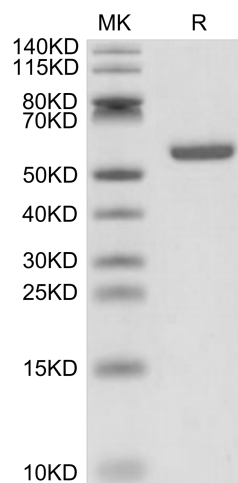
CSPG5, His, Human

Cat. No.: Z05197

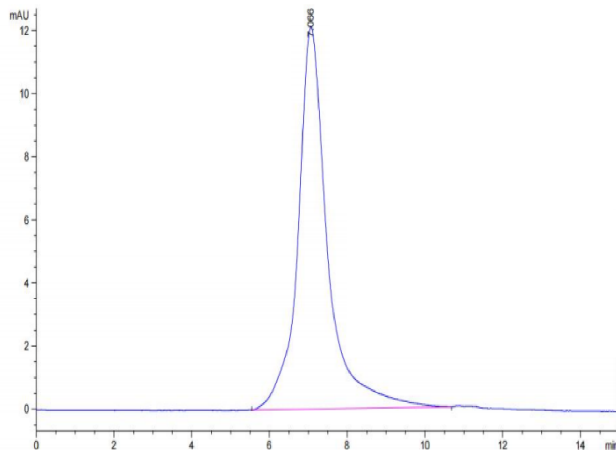
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; font-size: 0.8em;">CSPG5 (Val31-Cys423) Accession # AAQ04774</div> <div style="background-color: #76b82a; color: white; padding: 5px; font-size: 0.8em;">His</div> </div> <div style="display: flex; justify-content: space-around; font-size: 0.7em; margin-top: 2px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 90% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	42.47 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 52-62 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, Human on Bis-Tris PAGE under reduced condition.
 The purity is greater than 95%.



The purity of CSPG5, His, Human is greater than 90% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : Neuroglycan C;CALEB;MGC44034;Neuroglycan C;NGC;

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China