

# Human CSPG5 Protein

Cat. No. SPG-HM105



## Description

<b>Source</b>	Recombinant Human CSPG5 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val31-Cys423.
<b>Accession</b>	AAQ04774
<b>Molecular Weight</b>	The protein has a predicted MW of 42.47 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

## Formulation and Storage

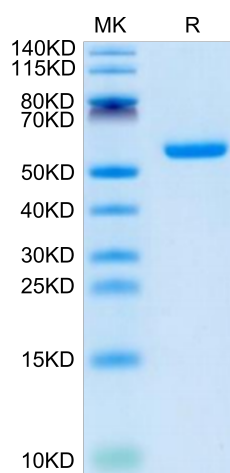
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

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.

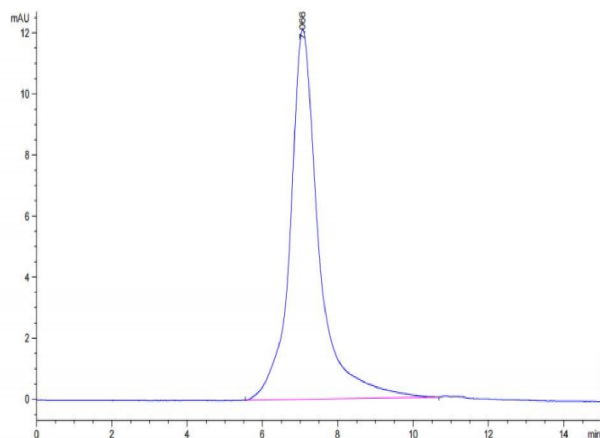
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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