

Active Recombinant Human CSPG5, His-tagged

Cat. No. CSPG5-416H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSPG5 (Accession # AAQ04774) Val31-Gln420, fused with a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	31-420 a.a.
Predicted N Terminal	Val31
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit Recombinant Human Midkine induced neurite outgrowth in E16-E18 rat embryonic cortical neurons. When 5 x 10 ⁴ neurons per well are added to a plate pre-incubated with serial dilutions of rhNeuroglycan-C and 1 µg/mL of rhMidkine, the neurite outgrowth promotion is significantly inhibited in a dose dependent manner with an effect typically at 0.6 - 1.2 µg/mL.
Molecular Mass	Recombinant Human CSPG5, His-tagged has a calculated MW of 41.9 kDa. In SDS-PAGE migrates as 80-100 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name	CSPG5 chondroitin sulfate proteoglycan 5 (neuroglycan C) [Homo sapiens]
Official Symbol	CSPG5
Synonyms	CSPG5; chondroitin sulfate proteoglycan 5 (neuroglycan C); chondroitin sulfate proteoglycan 5; NGC; acidic leucine-rich EGF-like domain-containing brain protein; MGC44034;
Gene ID	10675
mRNA Refseq	NM_001206942
Protein Refseq	NP_001193871
MIM	606775
UniProt ID	O95196
Chromosome Location	3p21.3

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