

## Active Recombinant Human CSPG4 protein, His-tagged

Cat. No. CSPG4-15H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CSPG4(Ser1583-Ser2224) fused with His tag at C-terminal was expressed in NS0.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	1583-2224 a.a.
<b>Predicted N Terminal</b>	Ser1583
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit neurite outgrowth of dissociated E13 chick embryonic dorsal root ganglia (DRG) neurons. Able to significantly inhibit neurite outgrowth when immobilized as a 3 µL droplet containing 90 ng on a nitrocellulose coated microplate.
<b>Molecular Mass</b>	Predicted Molecular Mass: 69 kDa;SDS-PAGE: 100-110 kDa, reducing conditions
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
<b>Storage</b>	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after

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reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Reconstitution** Reconstitute at 300 µg/mL in PBS.

## GENE INFORMATION

**Gene Name** [CSPG4 chondroitin sulfate proteoglycan 4 \[ Homo sapiens \]](#)

**Official Symbol** [CSPG4](#)

**Synonyms** CSPG4; chondroitin sulfate proteoglycan 4; chondroitin sulfate proteoglycan 4 (melanoma associated); HMW MAA; MCSP; MCSPG; MEL CSPG; melanoma associated chondroitin sulfate proteoglycan; MSK16; NG2; chondroitin sulfate proteoglycan NG2; melanoma chondroitin sulfate proteoglycan; melanoma-associated chondroitin sulfate proteoglycan; chondroitin sulfate proteoglycan 4 (melanoma-associated); HMW-MAA; MEL-CSPG;

**Gene ID** [1464](#)

**mRNA Refseq** [NM\\_001897](#)

**Protein Refseq** [NP\\_001888](#)

**MIM** [601172](#)

**UniProt ID** [Q6UVK1](#)

**Chromosome Location** 15q24.2

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**Function**

collagen binding; protein kinase binding; signal transducer activity;

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