# Active Recombinant Human CSPG4 protein, His-tagged

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

## SPECIFICATION

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| **Product Overview** | Recombinant Human CSPG4(Ser1583-Ser2224) fused with His tag at C-terminal was expressed in NS0. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **ProteinLength** | 1583-2224 a.a. |
| **Predicted N Terminal** | Ser1583 |
| **Form** | Lyophilized from a 0.2 μm filtered solution in PBS. |
| **Bio-activity** | 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. |
| **Molecular Mass** | Predicted Molecular Mass: 69 kDa;SDS-PAGE: 100-110 kDa, reducing conditions |
| **Endotoxin** | <0.10 EU per 1 μg of the protein by the LAL method. |
| **Purity** | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain |
| **Storage** | 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

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| **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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