

Active Recombinant Human CSPG4 protein, His-tagged

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Function

collagen binding; protein kinase binding; signal transducer activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA