Recombinant Human CSPG4 protein, His-tagged

Cat. No. CSPG4-1533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSPG4 aa. (Ser1705~Ile1942) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser1705~Ile1942
Description	A human melanoma-associated chondroitin sulfate proteoglycan plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. CSPG4 represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells.
Form	Freeze-dried powder
Molecular Mass	29kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	>98%
Characteristic	The isoelectric point is 6.4.

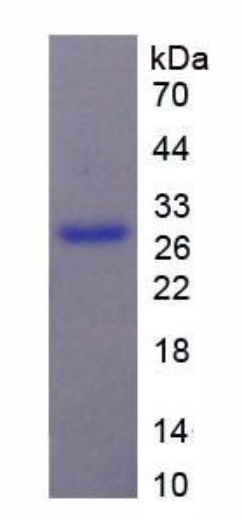
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Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage buffer	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CSPG4 chondroitin sulfate proteoglycan 4 [Homo sapiens (human)]
Official Symbol	CSPG4
Synonyms	NG2; MCSP; MCSPG; MSK16; HMW-MAA; MEL-CSPG; chondroitin sulfate proteoglycan 4 (melanoma-associated); chondroitin sulfate proteoglycan NG2; melanoma chondroitin sulfate proteoglycan; melanoma-associated chondroitin sulfate proteoglycan; chondroitin sulfate proteoglycan 4
Gene ID	1464
mRNA Refseq	NM_001897.4

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Protein Refseq	NP_001888.2
UniProt ID	Q6UVK1
SDS-PAGE	

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