

## Active Recombinant Human NCAN Protein, His-tagged

Cat. No. NCAN-922H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NCAN (Accession # O14594) Glu23-Cys1321, fused with a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Glu23-Cys1321
<b>Predicted N Terminal</b>	Glu23
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to enhance the adhesion of H4 human neuroglioma cells. When $5 \times 10^4$ cells per well are added to recombinant human Neurocan coated plates, cell adhesion is enhanced in a dose dependent manner. The ED50 for this effect is typically 50 - 200 ng/mL.
<b>Molecular Mass</b>	Recombinant Human NCAN, His-tagged has a calculated MW of 141.5 kDa. In SDS-PAGE migrates as 140-290 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

**GENE INFORMATION**

<b>Gene Name</b>	NCAN neurocan [ Homo sapiens ]
<b>Official Symbol</b>	NCAN
<b>Synonyms</b>	NCAN; neurocan; chondroitin sulfate proteoglycan 3 , CSPG3; neurocan core protein; neurocan proteoglycan; chondroitin sulfate proteoglycan 3 (neurocan); CSPG3; FLJ44681;
<b>Gene ID</b>	1463
<b>mRNA Refseq</b>	NM_004386
<b>Protein Refseq</b>	NP_004377
<b>MIM</b>	600826
<b>UniProt ID</b>	O14594
<b>Chromosome Location</b>	19p12

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