

Active Recombinant Human NCAN Protein, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	CHO
ProteinLength	Glu23-Cys1321
Predicted N Terminal	Glu23
Form	Lyophilized from a 0.2 μ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to enhance the adhesion of H4 human neuroglioma cells. When 5×10^4 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.
Molecular Mass	Recombinant Human NCAN, His-tagged has a calculated MW of 141.5 kDa. In SDS-PAGE migrates as 140-290 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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**Gene Name** NCAN neurocan [Homo sapiens]**Official Symbol** NCAN**Synonyms** NCAN; neurocan; chondroitin sulfate proteoglycan 3 , CSPG3; neurocan core protein; neurocan proteoglycan; chondroitin sulfate proteoglycan 3 (neurocan); CSPG3; FLJ44681;**Gene ID** 1463**mRNA Refseq** NM_004386**Protein Refseq** NP_004377**MIM** 600826**UniProt ID** O14594**Chromosome
Location** 19p12 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