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Product Datasheet

Human NG2 protein, His tag, Unconjugated GTX00208-PRO

Article Name	Human NG2 protein, His tag, Unconjugated
Biozol Catalog Number	GTX00208-PRO
Supplier Catalog Number	GTX00208-pro
Alternative Catalog Number	GTX00208-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	1464
UniProt	Q6UVK1
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Ser1705~Ile1942 (NP_001888.2)

Application Notes	Melanoma-associated chondroitin sulfate proteoglycan (MCSP) is a chondroitin sulfate proteoglycan in humans. CSPG4 plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. It represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells. Besides, Galectin-8 (GAL8) has been identified as an interactor of MCSP, thus a binding ELISA assay was conducted to detect the interaction of recombinant human MCSP and recombinant human GAL8. Briefly, MCSP were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to GAL8-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-MCSP pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of MCSP and GAL8 was in a dose dependent manner.
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