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Product Datasheet

Human CHI3L1 protein, His tag (active), Unconjugated GTX00219-PRO

Article Name	Human CHI3L1 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00219-PRO
Supplier Catalog Number	GTX00219-pro
Alternative Catalog Number	GTX00219-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	1116
UniProt	P36222
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, Asn112~Thr237+Ile299~Lys377 (NP_001267.2)

Application Notes	Cell proliferation of Raji cells after stimulated with GP39. Cell proliferation of Raji cells after stimulated with GP39. Glycoprotein 39, Cartilage (GP39) also known as Chitinase-3-like protein 1 (CHI3L1) is a secreted glycoprotein that is approximately 40kDa in size that in humans is encoded by the CHI3L1 gene. GP39 plays a role in cancer cell proliferation, survival, invasiveness and in the regulation of cell-matrix interactions. To test the effect of GP39 on cell proliferation, Raji cells were seeded into triplicate wells of 96-well plates at a density of 5000 cells/well with 1% serum standard RPMI-1640 which contains various concentrations of recombinant human GP39. After incubated for 5 days, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 µl of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37C. Proliferation of Raji cells after incubation with GP39 for 5 days observed by inverted microscope.
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