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Product Datasheet

Human Annexin II protein, His tag (active), Unconjugated GTX00273-PRO

Article Name	Human Annexin II protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00273-PRO
Supplier Catalog Number	GTX00273-pro
Alternative Catalog Number	GTX00273-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	302
UniProt	P07355
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	Full length protein, N-terminal His-Tag, Met1~Asp339 (NP_001002857.1)

Application Notes

Annexin A2 (ANXA2) also known as annexin II is a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption. ANXA2 is up-regulated in various tumor types and plays multiple roles in regulating cellular functions, including angiogenesis, proliferation, apoptosis, cell migration, invasion and adhesion. To test the effect of ANXA2 on cell proliferation, Hela cells were seeded into triplicate wells of 96-well plates at a density of 2000 cells/well and allowed to attach, replaced with serum-free overnight, then the medium was replaced with 1% serum standard DMEM prior to the addition of various concentrations of recombinant human ANXA2. After incubated for 96h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ l 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 Hela cells after incubation with ANXA2 for 96h observed by inverted microscope. Cell viability was assessed by CCK-8 assay after incubation with recombinant ANXA2 for 96h. And ANXA2 significantly increased cell viability of Hela cells.