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Product Datasheet

Human IGFBP3 protein, His tag, Unconjugated GTX00231-PRO

Article Name	Human IGFBP3 protein, His tag, Unconjugated
Biozol Catalog Number	GTX00231-PRO
Supplier Catalog Number	GTX00231-pro
Alternative Catalog Number	GTX00231-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3486
UniProt	P17936
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, Gly135~Thr277 (NP_000589.2)

outside the cell or after internalization, and also enters the cell nucleus where it binds to nuclear hormone receptors and other ligands. Besides, Epidermal Growth Factor Receptor (EGFR) has been identified as an interactor of IGFBP3, thus a binding ELISA assay was conducted to detect the interaction of recombinant human IGFBP3 and recombinant human EGFR. Briefly, IGFBP3 were diluted serially

manner.

Insulin-like growth factor-binding protein 3, also known as IGFBP3 is one of six IGF binding proteins (IGFBP1 to IGFBP6) that have highly conserved structures and bind the insulin-like growth factors IGF-1 and IGF-2 with high affinity. Within tissues, IGFBP3 can bind IGF1 and IGF2 released by many cell types, and block their access to the IGF-1

receptor (IGF1R), which is activated by both IGFs. IGFBP3 also interacts with cell-surface proteins, affecting cell signaling from

in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 μ l were then transferred to EGFR-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with

solution, wells were incubated 15-25 minutes at 37C. Finally, add 50 μ l stop solution to the wells and read at 450nm immediately. The binding activity of IGFBP3 and EGFR was in a dose dependent

anti-IGFBP3 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

Application Notes