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Product Datasheet

Human FGF13 protein, His tag, Unconjugated GTX00266-PRO

Article Name	Human FGF13 protein, His tag, Unconjugated
Biozol Catalog Number	GTX00266-PRO
Supplier Catalog Number	GTX00266-pro
Alternative Catalog Number	GTX00266-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	2258
UniProt	Q92913
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, Glu63~Thr245 (NP_001132970.1)

Application Notes	Fibroblast growth factor 13 (FGF13) is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. Besides, Prion Protein (PRNP) has been identified as an interactor of FGF13, thus a binding ELISA assay was conducted to detect the interaction of recombinant human FGF13 and recombinant human PRNP. Briefly, FGF13 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to PRNP-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-FGF13 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 FGF13 and PRNP was in a dose dependent manner.
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