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Product Datasheet

Human Prokineticin 2 protein, His and GST tag (active), Unconjugated GTX00253-PRO

Article Name	Human Prokineticin 2 protein, His and GST tag (active), Unconjugated
Biozol Catalog Number	GTX00253-PRO
Supplier Catalog Number	GTX00253-pro
Alternative Catalog Number	GTX00253-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	60675
UniProt	Q9HC23
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 and GST-Tag, Ile30~Gln128 (NP_001119600.1)

Application Notes

Prokineticin 2 (PK2) is a member of prokineticin family. Prokineticin is a secreted protein that potently contracts gastrointestinal smooth muscle. They are thought to be involved in several important physiological processes like neurogenesis, tissue development, angiogenesis, and nociception. Other important physiological roles the Bv8/Prokineticins (PKs) are involved in may include cancer, reproduction, and regulating physiological functions that influence circadian rhythms like hormone secretion, ingestive behaviors, and the sleep/wake cycle. To test the effect of PK2 on cell proliferation, HCT116 colon cancer cells were seeded into triplicate wells of 96-well plates at a density of 5000 cells/well and allowed to attach, replaced with serum-free overnight, then the medium was replaced with 2% serum standard DMEM containing various concentrations of recombinant human PK2. 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 HCT116 cells after incubation with PK2 for 96h observed by inverted microscope.