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Product Datasheet

Human IL1 alpha protein, His tag (active), Unconjugated GTX00067-PRO

Article Name	Human IL1 alpha protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00067-PRO
Supplier Catalog Number	GTX00067-pro
Alternative Catalog Number	GTX00067-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3552
UniProt	Q53QF9
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, Ser113~Ala271 (NP_000566.3)

Application Notes	IL1alpha (Interleukin-1 alpha) is a member of the interleukin 1 cytokine family. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces cell apoptosis. It is reported that exposure of MCF-7 cells to certain concentration of IL1alpha results in inhibition of cell growth. Thus, an cell proliferation assay of MCF-7 was conducted with the addition of IL1alpha. MCF-7 cells were seeded overnight at a density of 5000 cells/well, and then treated with or without various concentrations of IL1alpha for 72h, then cells were observed by inverted microscope and cell viability 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 measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours in at 37C. Inhibition of MCF-7 cell proliferation after incubation with IL1alpha for 72h observed by inverted microscope.
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