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Product Datasheet

Human IL1 beta protein, His tag (active), Unconjugated GTX00115-PRO

Article Name	Human IL1 beta protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00115-PRO
Supplier Catalog Number	GTX00115-pro
Alternative Catalog Number	GTX00115-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3553
UniProt	P01584
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	HEK293 cells
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Ala117~Ser269 (NP_000567.1)

Application Notes

Interleukin-1 beta belongs to the interleukin 1 cytokine family, which plays a critical role in inflammation, immunity, antiviral responses, and a variety of diseases. It has been reported that IL-1beta-induced IL-6 production is mediated by both PI3K and IRAK4 in A549 cells. To test the bioactivity of IL1-beta, A549 cells were seeded into 24-well plate at a density of 1×10^5 cells/ml, and allowed to attach overnight before treated with or without certain concentrations (1 ng/ml, 10 ng/ml) of IL1-beta for 4h. IL-6 levels in the cell supernatant were determined by ELISA that IL-6 increased significantly after stimulated with IL1-beta.