

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Human Interferon gamma protein, His tag (active), Unconjugated GTX00083-PRO

Article Name	Human Interferon gamma protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00083-PRO
Supplier Catalog Number	GTX00083-pro
Alternative Catalog Number	GTX00083-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	3458
UniProt	P01579
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, Gln24~Gln166 (NP_000610.2)

Application Notes

IFN-gamma is a dimerized soluble cytokine that is the only member of the type II class of interferons. The importance of IFNgamma in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. As reported, IFNgamma is an important activator of human monocytic THP-1 cells. Therefore, THP-1 cells were incubated in RPMI-1640 with various concentration of IFN-gamma, then cells were observed by inverted microscope everyday. After stimulated with IFN-gamma (2 ng/ml) for 5 days, morphological changes occurred in THP-1 cells which displayed the shape of fusiform or polygon and were more likely to adhere.