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Product Datasheet

Rat Interferon gamma protein, His tag (active), Unconjugated GTX00340-PRO

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| Article Name | Rat Interferon gamma protein, His tag (active), Unconjugated |
| Biozol Catalog Number | GTX00340-PRO |
| Supplier Catalog Number | GTX00340-pro |
| Alternative Catalog Number | GTX00340-PRO-10 |
| Manufacturer | GeneTex |
| Category | Proteine/Peptide |
| Application | FA |
| Species Reactivity | Rat |
| Conjugation | Unconjugated |
| NCBI | 25712 |
| UniProt | P01581 |
| 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, Gln23~Cys156 (NP_620235.1) |

Application Notes

Interferon gamma (IFN-gamma) is a dimerized soluble cytokine that is the only member of the type II class of interferons. The importance of IFN-gamma in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. It has been reported that IFN-gamma promotes production of inducible Nitric Oxide Synthase (iNOS) in macrophages as an important activator. After stimulated with IFN-gamma, morphological changes will occur in murine macrophage cell line (Raw 264. 7 cells), and inducible nitric-oxide synthase (iNOS) in the cells will increase. Raw 264. 7 cells were incubated in DMEM with IFN-gamma (10 ng/ml) for 24h, then cells were observed by inverted microscope.