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Product Datasheet

Rat Interferon alpha 1 protein, His tag, Unconjugated GTX00372-PRO

Artikelname	Rat Interferon alpha 1 protein, His tag, Unconjugated
Artikelnummer	GTX00372-PRO
Hersteller Artikelnummer	GTX00372-pro
Alternativnummer	GTX00372-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Rat
Konjugation	Unconjugated
NCBI	298210
UniProt	P05011
Puffer	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
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Cys24~Ser192 (NP_001014786.1)

Anwendungsbeschreibung

Interferon Alpha (IFN α) belongs to a large subgroup of interferon proteins that help regulate the activity of the immune system. The IFN α proteins are produced by leukocytes. They are mainly involved in innate immune response against viral infection. It is also made synthetically as medication in hairy cell leukemia. Besides, Interferon Alpha/Beta Receptor 1 (IFN α /bR1) has been identified as an interactor of IFN α , thus a binding ELISA assay was conducted to detect the interaction of recombinant rat IFN α and recombinant rat IFN α /bR1. Briefly, IFN α were diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 μ l were then transferred to IFN α /bR1-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-IFN α pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50 μ l stop solution to the wells and read at 450nm immediately. The binding activity of IFN α and IFN α /bR1 was in a dose dependent manner.