

Recombinant Swine IFN gamma protein(His Tag)

Catalog No. PKSS000012

Note: Centrifuge before opening to ensure complete recovery of vial contents.

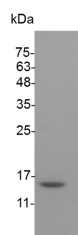
Description

Synonyms	IFN-gamma;IFNG
Species	Porcine
Expression Host	E.coli
Sequence	Gln 24-Lys 166
Accession	P17803
Calculated Molecular Weight	17.7 kDa
Observed molecular weight	15 kDa
Tag	C-His
Bioactivity	Measure by its ability to protect PK15 cells infected with encephalomyocarditis (EMC) virus.The ED ₅₀ for this effect is < 40 pg/mL.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

IFN γ is the major interferon produced by mitogenically or antigenically stimulated lymphocytes. It is structurally

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different from type I interferon and its major activity is immunoregulation. It has been implicated in the expression of class II histocompatibility antigens in cells that do not normally produce them; leading to autoimmune disease. Interferon gamma is produced mainly by T-cells and natural killer cells activated by antigens; mitogens; or alloantigens. It is produced by lymphocytes expressing the surface antigens CD4 and CD8. IFN γ synthesis is induced by IL-2; FGF-basic; and EGF.