

Interferon γ /IFN- γ /IFNG, Mouse, Recombinant

Cat. No. : PCK064

General Information

Synonyms	Type II interferon; T-cell interferon; MAF; Ifg; If2f; IFN-g
Species	Mouse
Expression host	E.coli
Sequence	MHGTVIESLESNNYFNSSGIDVEEKSLFLDIWRNWQKDGMKILQSQIISFYLRLEVLKDNQ AISNNISVIESHLITTFSSNSKAKKDAFMSIAKFEVNNPQVQRQAFNELIRVVHQLPESSLRKRK RSRC with polyhistidine tag at the C-terminus.
Accession	P01580.1
Tag	His-tag at the C-terminus
Mol mass	16.5 kDa
Expiration date	12 months
Bio activity	Measure by its ability to anti-viral assay in L-929 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is < 0.5 ng/mL. The specific activity of recombinant mouse IFN gamma is approximately > 2 $\times$ 10 ⁶ IU/mg.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μ m filtered solution containing 1 $\times$ PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μ g/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Interferon- γ is a effective multifunctional cytokine which is released mainly by activated NK cells and T cells. IFN- γ is primarily characterized based on its anti-viral activities, and then been proved to have several functions such as anti-proliferative, immune-regulatory, and pro-inflammatory activities. IFN- γ can upregulate expression of MHC class I and II antigen by antigen-presenting cells.

SDS-PAGE



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