

## IFN gamma Protein, Marmota monax, Recombinant (His)

### General Information

Synonyms:	IFNG;Interferon gamma;IFN-gamma
Protein Construction:	24-166 aa
Species:	Marmota monax
Expression Host:	P. pastoris (Yeast)
Accession:	O35735
Molecular Weight:	18.6 kDa (predicted)
AA Sequence:	QDTVNKEIEDLKG YFNASNSNVSDGGSLFLDILDKWKEESDKKVIQSQIVSFYFKLFEHLKDNKIIQRSMDTIKG DLFAKFFNSSTNKLQDFLKVSQVQVNDLKIQRKAVSELKKVMNDLLPHSTLRKRKRSQSSIRGRRASK

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

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