

# Recombinant Equine Interferon-gamma

#R00353

Size: 100 µg/500 µg

## Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
  - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
  - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



**Warning:** This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

## Background

### AA Sequence

QAAFFKEIENLKEYFNASNPDVGDGGPLFLDILKNWK  
EDSDKKIISQIVSFYFKLFENLKDQNQVIQKSMDTIKE  
DLFVKFFNSSTSKLEDFQKLIQIPVNDLKVQRKAISELI  
KVMNDLSPKANLRKRKRSQNPFRGRRALQ

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## Product Specification

|                     |                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accession           | P42160                                                                                                                                                                                                                                    |
| GeneID              | 100034181                                                                                                                                                                                                                                 |
| Species             | Equine                                                                                                                                                                                                                                    |
| Source              | Escherichia coli.                                                                                                                                                                                                                         |
| Molecular Weight    | Approximately 16.7 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.                                                                                                                                           |
| Purity              | > 97 % by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                     |
| Biological Activity | Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by an anti-viral assay using human HeLa cells infected with encephalomyocarditis (EMC) virus is less than 10.0 ng/ml, corresponding to a specific |

|                                 |                                                                                                                                                                                                             |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical Appearance Formulation | activity of > 1.0 × 10 <sup>5</sup> IU/mg.<br>Sterile Filtered White lyophilized (freeze-dried) powder.<br>Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4, with 5 % trehalose. |
| Endotoxin                       | Less than 0.1 EU/µg of rEqIFN-γ as determined by LAL method.                                                                                                                                                |