

## Product datasheet for **TP723744**

### Ifng (NM\_008337) Mouse Recombinant Protein

#### Product data:

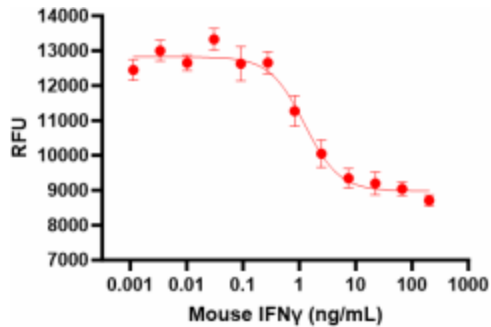
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interferon gamma (Ifng)
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Mouse IFN-gamma; the region of His23-Cys155, from gene Accession# NM_008337
Tag:	Tag Free
Predicted MW:	15.7 kDa
Concentration:	lot specific
Purity:	Purity is >98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	20 mM HEPES, 150 mM NaCl, 5 mM TCEP; pH 7.2
Bioactivity:	The ED <sub>50</sub> range of this effect is 0.01 - 0.1 ng/mL, corresponding to a specific activity of 1 - 10 x 10 <sup>7</sup> units/mg, as determined by a dose dependent effect to induce apoptosis in WEHI 279 cells.
Endotoxin:	Less than 0.01 ng per ug protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	<a href="#">NP_032363</a>
Locus ID:	15978
UniProt ID:	<a href="#">P01580</a>
RefSeq Size:	1207
Cytogenetics:	10 66.75 cM
RefSeq ORF:	465
Synonyms:	If; If2f; Ifg; IFN-g



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**Summary:**

This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mice deficient in this gene have increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Dec 2015]

**Product images:**

Recombinant mouse IFN $\gamma$  induces cytotoxicity in L929 cells in a dose dependent manner. The ED50 of this effect is 0.5 - 3.5 ng/mL