

## Product datasheet for **TP726868**

### Ifng Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Interferon $\gamma$ /IFN $\gamma$ (E. coli)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	His23-Cys155
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 5% Sucrose, pH 6.8.
Note:	Recombinant Mouse Interferon gamma is produced by our E.coli expression system and the target gene encoding His23-Cys155 is expressed.
Stability:	12 months from date of despatch
Locus ID:	15978
UniProt ID:	<a href="#">P01580</a>
Summary:	Mouse Ifng is a secreted protein which belongs to the type II (or gamma) interferon family. IFNG is produced by lymphocytes and activated by specific antigens or mitogens. In addition to having antiviral activity, IFNG also has important immunoregulatory functions. It is a potent activator of macrophages and has antiproliferative effects on transformed cells. It can potentiate the antiviral and antitumor effects of the type I interferons. Genetic variation in IFNG is associated with the risk of aplastic anemia (AA) which is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.



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