

RMCM050**Recombinant IFN alpha 1a (Interferon alpha 1a), Mouse , AF** 5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : Ifa, Ifa8**Activity:**

Measure by its ability to protect L929 cells infected with encephalomyocarditis (EMC) virus.

The ED50 for this effect is <10 pg/mL.

The specific activity of recombinant mouse IFN alpha 1a is > 4 x 10⁷ IU/mg.

Protein Description:

Interferon alpha-1 or interferon alpha-D, encoded by the human IFNA1 gene, is a member of the type I interferon family. It is expressed in peripheral blood leukocytes and lymphoblastoid cells. There are four highly conserved cysteine residues which form two disulfide bonds. One bond is a necessity for biological activity, which plays a critical role in conducting non-specific resistance against a variety of viral infections, and regulation of cell proliferation and modulates immune responses.

Protein Accession : P01572.2**Gene ID :** 15962**Expression Sequence:**

CDLPQTHNLRNKRALTLVQMRRSPLSCLKDRKDFGFPQEKVDAQQIKKAQAIPVLSLSELTQQILNIFTSKDSSAAWNTLLDSEFCNDLH
QQLNDLQGCLMQQVGVQEFPLTQEDALLAVRKYFHRITVYLREKKHSPCAWEVVRAEVWRALSSSANVLGRLREEK with
polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-terminus**Species :** Mouse**Reactivity :** Mouse**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 19.93 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

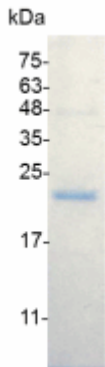
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image :



SDS- PAGE analysis of recombinant mouse IFN alpha 1a