

Active Recombinant Mouse Ifna14, Fc-tagged

Cat. No. Ifna14-121M Lot. No. (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the secreted form of mouse IFNA14 (Cys 24-Lys 189) was fused with the Fc region of human IgG1 at the N-terminus.
Species	Mouse
Source	Human Cells
ProteinLength	24-189 a.a.
Description	Interferon alpha-14 is a protein that in humans is encoded by the IFNA14 gene.
Predicted N Terminal	Glu
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured in antiviral assays using L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is typically 10-100 pg/mL.
Molecular Mass	The recombinant mouse IFNA14/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 426 amino acids and has a predicted molecular mass of 47.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm IFNA14/Fc m
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.

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Purity	>92 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	lfna14?interferon alpha 14 [?Mus musculus?(house mouse)]
Official Symbol	Ifna14
Synonyms	IFNA14; interferon, alpha 14; RP23-67C1.2; MGC155959; OTTMUSG00000007662
Gene ID	404549
mRNA Refseq	NM_206975
Protein Refseq	NP_996858
Chromosome Location	4 C4; 4

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Pathway

Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Cytosolic DNA-sensing pathway

Function

cytokine activity; type I interferon receptor binding

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