

Active Recombinant Rhesus IFNA2 protein, His-tagged

Cat. No. IFNA2-231R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus IFNA2 protein(NP_001129266.1) (Met1-Glu188) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Met1-Glu188
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured in antiviral assay using WISH human amnion cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is 0.4-4 µg/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Rhesus IFNA2-His at 10 µg/ml (100 µl/well) can bind human IFNAR2-Fc with a linear range of 0.31-2.5 µg/ml.
Molecular Mass	The recombinant rhesus IFNA2 comprises 176 amino acids and has a calculated molecular mass of 21 KDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
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

It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

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