Recombinant Rhesus IFNAR1 Protein, His-tagged

Cat. No. IFNAR1-2205R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus IFNAR1(Met1-Lys436) fused with His tag at C-terminal was expressed in HEK293.
Species	Rhesus macaque
Source	HEK293
ProteinLength	Met1-Lys436
Description	Interferon-alpha/beta receptor alpha chain (IFNAR1) is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. The encoded protein also functions as an antiviral factor. Tyk2 slows down IFNAR1 degradation and that this is due, at least in part, to inhibition of IFNAR1 endocytosis. Mutant versions of IFNAR1, in which Tyr466 is changed to phenylalanine, can act in a dominant negative manner to inhibit phosphorylation of STAT2. These observations are consistent with a model in which IFNAR1 mediates the interaction between JAK kinases and the STAT transcription factors.
Predicted N Terminal	Lys 28
Form	Lyophilized from sterile PBS, pH 7.4 1. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.

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	2. Please contact us for any concerns or special requirements.
Molecular Mass	The recombinant rhesus IFNAR1 comprises 421 amino acids and has a calculated molecular mass of 48.7 KDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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	IFNAR1 interferon alpha and beta receptor subunit 1 [Macaca mulatta]
Official Symbol	IFNAR1
Synonyms	IFNAR1; interferon alpha/beta receptor 1
Gene ID	699604

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mRNA Refseq	NM_001266513
Protein Refseq	NP_001253442

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