Recombinant Rhesus macaque IFNAR1 Protein (His Tag)

Catalog No. PKSQ050073

Note: Centrifuge before opening to ensure complete recovery of vial contents.

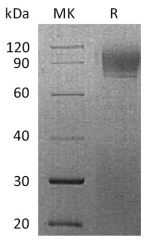
Description

Synonyms	Alpha-type antiviral protein;AVP;beta-type antiviral protein;CRF2-1;Cytokine receptor class-II member 1;Cytokine receptor family 2 member 1;human interferon-alpha receptor (HuIFN-alpha-Rec)10IFRC;IFN-alpha/beta R1;IFN-alpha/beta receptor 1;IFN-alpha-REC;IFNAR;IFNAR1;IFN-aR1;IFNBR;IFNbR1;IFN-bR1;IFN-R-1
Species	Rhesus macaque
Expression Host	HEK293 Cells
Sequence	Ala25-Lys437
Accession	XP_005548864.1
Calculated Molecular Weight	48.4 kDa
Observed molecular weight	70-120 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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Background

Interferon?alpha/beta receptor 1 (IFN? alpha / beta R1), also known as IFNAR1, are present in all tissues and even on the surface of most IFN-resistant cells. Isoform 1, isoform 2 and isoform 3 are expressed in the IFN-alpha sensitive myeloma cell line U266B1. Isoform 2 and isoform 3 are expressed in the IFN-alpha resistant myeloma cell line U266R. Isoform 1 is not expressed in IFN-alpha resistant myeloma cell line U266R. It interacts with STAT1 and STAT2, the interaction requires its phosphorylation at Tyr-466. It also interacts with FBXW11, the substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex.

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