



Recombinant Protein Technical Manual

Recombinant Rhesus macaque IFNAR1 Protein (His Tag)

RPES3770

Product Data:

Product SKU: RPES3770

Size: 10µg

Species: Rhesus macaque

Expression host: Human Cells

Uniprot: H9FTY3

Protein Information:

Molecular Mass: 48.4 kDa

AP Molecular Mass: 7020 kDa

Tag: C-His

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Alpha-type antiviral protein; AVP; beta-type antiviral protein; CRF2; 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

Immunogen Information:

Sequence: Ala25-Lys437

Background:

Interferon α /beta receptor 1 (IFN α / 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.