

32-7327: Recombinant Human Interferon α / beta Receptor 1/IFNAR1 (C-6His)

Gene : IFNAR1

Gene ID : 3454

Uniprot ID : P17181

Description

Source: Human Cells.

MW :48.18kD.

Recombinant Human Interferon α /beta Receptor 1 is produced by our Mammalian expression system and the target gene encoding Lys28-Lys436 is expressed with a 6His tag at the C-terminus. The Interferon- α / beta Receptor 1 (IFN- α / beta R1) is a receptor which binds Type I Interferons including Interferon- α and - beta . It is a cell surface receptor and heteromeric receptor composed of one chain with two subunits referred to as IFNAR1 and IFNAR2. IFN- α / beta R1, in association with IFN- α / beta R2, is required for propagating antiviral signal transduction triggered by IFN- α and IFN- beta . IFN- α / beta R1 interacts very weakly or not at all with type 1 interferons and does not stably interact with IFN- α / beta R2. Ligands associate with IFN- α / beta R2, and this complex subsequently forms a stable ternary assembly with IFN- α / beta R1. IFN- α / beta R1 also associates with IFN- gamma R2 even in the absence of IFN- gamma stimulation. Human IFN- α / beta R1 contains a nuclear localization signal in its extracellular domain that is required for receptor translocation to the nucleus following interaction with ligand. Interferon stimulation results in an immunologic response that is especially associated with viruses.

Product Info

Amount : 10 μ g / 50 μ g

Content : Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Storage condition : 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.

Amino Acid : KNLKSPQKVEVDIIDDNFILRWNRSDSVGNVTFSDYQKTGMDNWIKLSGCQNITSTKCNFSSLKLNVEEIKL RIRAEKENTSSWYEVDSFTPFRAQIGPPEVHLEAEDKAIVIHISPGTKDSVMWALDGLSFTYSLVIWKNSSGVE ERIENIYSRHKIYKLSPEPTYCLKVKAALLTSWKIGVYSPVHCIKTTVENELPPPENIEVSVQNQNYVLKWDYTYAN MTFQVQWLHAFILKRNPGNHLYKWKQIPDCENVKTTQCVPQNVFQKGIYLLRVQASDGNNTSFWSSEEIKFDTE IQAFLLPPVFNIRSLSDSFHIYIGAPKQSGNTPVIQDYPLIYEIIFWENTSNAERKIEKKTDTVTPNLKPLTVYCVKA RAHTMDEKLNKSSVFSDAVCEKTKPGNTSKLDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.