Recombinant human IFN-alpha/beta R1/IFNAR1 protein

Catalog Number: ATGP3894

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
28-436aa

UniProt No.
P17181

NCBI Accession No.
NP_000620

Alternative Names
IFN-alpha/beta R1, IFNAR1, AVP, IFN-alpha-REC, IFNAR, IFNBR, IFRC, Interferon alpha/beta receptor 1,IFN-R-1, IFN-alpha/beta receptor 1, Cytokine receptor class-II member 1, Cytokine receptor family 2 member 1, CRF2-1, Type I interferon receptor 1

PRODUCT SPECIFICATION

Molecular Weight
47.9 kDa (415aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
IFN-alpha/beta R1, also known as interferon alpha/beta receptor 1 (IFNAR1), is a member of the class II cytokine receptor family of proteins that form heterodimeric receptor complexes. These receptors are shared and served

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multiple functions. IFNAR1 and IFNBR1, in association with IFNAR2 and IFNBR2, is required for propagating anti-microbial signal transduction triggered by the type 1 interferons such as IFN-alpha and IFN-beta. Also, binding and activation of it stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. Recombinant Human IFN-alpha/beta R1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

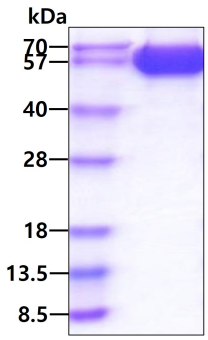
KNLKSPQKVE VDIIDDNFIL RWNRSDESVG NVTFSFDYQK TGMDNWIKLS GCQNITSTKC NFSSLKLNVY EEIKLRIRAE KENTSSWYEV DSFTPFRKAQ IGPPEVHLEA EDKAIVIHIS PGTKDSVMWA LDGLSFTYSL VIWKNSSGVE ERIENIYSRH KIYKLSPETT YCLKVKAALL TSWKIGVYSP VHCIKTTVEN ELPPPENIEV SVQNQNYVLK WDYTYANMTF QVQWLHAFLK RNPGNHLYKW KQIPDCENVK TTQCVFPQNV FQKGIYLLRV QASDGNNTSF WSEEIKFDTE IQAFLLPPVF NIRSLSDSFH IYIGAPKQSG NTPVIQDYPL IYEIIFWENT SNAERKIIEK KTDVTVPNLK PLTVYCVKAR AHTMDEKLNK SSVFSDAVCE KTKPGNTSK<H HHHHH>

General References

Richter MF., et al, (1998) J Biol Chem. 273:24723-24729.
Claudinon J., et al, (2009) J. Biol. Chem. 284:24328-24340.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.