

## Product datasheet

# Recombinant Human Interferon alpha/beta receptor 1 protein (Fc Chimera) ab219671

[2 Images](#)

### Description

<b>Product name</b>	Recombinant Human Interferon alpha/beta receptor 1 protein (Fc Chimera)	
<b>Purity</b>	> 90 % SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<b><u>P17181</u></b>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	KNLKSPQKVEVDIIDDNFILRWNRSDSVGNVTFSDYQK TGMDNWIKLS GCQNITSTKCNFSSLKLNVEEIKLRIRAEKENTSSWYEVD SFTPFRKAQ IGPPEVHLEAEDKAMVIHISPGTKDSVMWALDGLSFTYSLVI WKNSSGVE ERIENYSRHKMYKLSPEPTYCLKVKAALLTSWKIGVYSPVH CIKTTVEN ELPPPENIEVSVQNQNYVLKWDYTYANMTFQVQWLHAFI KRNPGNHLYKW KQIPDCENVKTTQCVFPQNVFQKGMYLLRVQASDGNNTSF WSEEIKFDTE IQAFLLPPVFNIRSLSDSFHYGAPKQSGNTPVIQDYPLIYII FWENT SNAERKIEKKTDTVTPNLKPLTVYCVKARAHTMDEKLNKS SVFSDAVCE KTKPGNTSK	
<b>Predicted molecular weight</b>	74 kDa including tags	
<b>Amino acids</b>	28 to 436	
<b>Additional sequence information</b>	Extracellular domain fused to a human IgG1 Fc tag at the C-terminal.	

### Specifications

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Our **Abpromise guarantee** covers the use of **ab219671** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Lyophilized

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### Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  
pH: 7.4  
Constituents: 0.75% Glycine, 0.61% Tris buffer, 5% Trehalose, L-Arginine, Sodium chloride  
  
Lyophilized from 0.22 µm filtered solution.

**Reconstitution** Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

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### General Info

**Function** Associates with IFNAR2 to form the type I interferon receptor. Receptor for interferons alpha and beta. Binding to type I IFNs triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and IFNR alpha- and beta-subunits themselves.

**Tissue specificity** IFN receptors 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 U266S. 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.

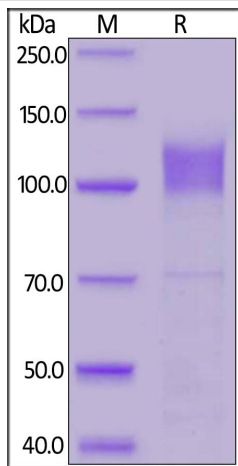
**Sequence similarities** Belongs to the type II cytokine receptor family.  
Contains 3 fibronectin type-III domains.

**Post-translational modifications** Phosphorylated on tyrosine residues by TYK2 tyrosine kinase.

**Cellular localization** Membrane.

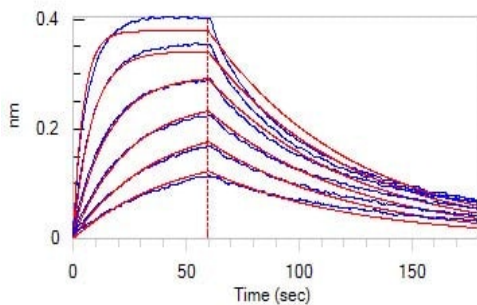
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### Images



SDS-PAGE - Recombinant Human Interferon alpha/beta receptor 1 protein (Fc Chimera) (ab219671)

SDS-PAGE of reduced ab219671 stained overnight with Coomassie Blue. The protein migrates as 105-120 kDa due to glycosylation.



Biological Activity - Recombinant Human Interferon alpha/beta receptor 1 protein (Fc Chimera) (ab219671)

Loaded Human IFN-alpha 1, His Tag (ab219671) on HIS1K Biosensor, can bind Human IFNAR1, Fc Tag with an affinity constant of 0.191  $\mu$ M as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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