## .-online.com antibodies

## Datasheet for ABIN7317897 IFNAR2 Protein (His tag)



Overview

Quantity:	100 µg
Target:	IFNAR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNAR2 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human IFNAR2/IFNABR Protein (His Tag)(Active)	
Sequence:	Met 1-Lys 243	
Characteristics:	A DNA sequence encoding the extracellular domain of human IFNAR2 isoform a (NP_997468.1) (Met 1-Lys 243) was expressed, fused with a polyhistidine tag at the C-terminus.	
Purity:	> 95 % as determined by reducing SDS-PAGE.	
Endotoxin Level:	< 1.0 EU per $\mu$ g as determined by the LAL method.	
Biological Activity Comment:	Measured by its ability to inhibit rh IFN $\beta$ mediated protection of WISH Human amnion cells infected with vesicular stomatitis virus (VSV) to viral lysis. The EC50 for this effect is typically 1-4 $\mu$ g/mL.	

Target Details

Т	arc	jet:
	are	jet.

IFNAR2

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7317897 | 09/09/2023 | Copyright antibodies-online. All rights reserved.

Target Details		
Alternative Name:	IFNAR2/IFNABR (IFNAR2 Products)	
Background:	Background: Interferon-alpha/beta receptor beta chain (IFNAR2) is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases; which in turn phosphorylate several proteins; including STAT1 and STAT2. Initial cell-surface IFNAR2 expression at diagnosis assessed by flow cytometry widely distributed but showed overall significantly higher expression in CML patients when compared with normal controls. In 15 fresh patients who subsequently received IFNα therapy; IFNAR2 expression at diagnosis was significantly higher in cytogenetic good responders than in poor responders. Down-regulation of IFNAR2 expression during IFNα therapy was observed only in good responders but not in poor responders. The encoded protein also functions as an antiviral factor. IFNAR2 may associate with IFNAR1 to form the type I interferon receptor. This protein serves as a receptor for interferons alpha and beta. IFNAR2 is also involved in IFN-mediated STAT1; STAT2 and STAT3 activation. Isoform 1 and isoform 2 are directly involved in signal transduction due to their association with the TYR kinase; JAK1. Isoform 3 is a potent inhibitor of type I IFN receptor activity. Following binding of IFNα2; IFNAR2 is internalized; but; instead of being routed towards degradation as it is when complexed to IFNβ; it recycles back to the cell surface. Synonym: IFN-alpha-REC;IFN-R;IFNABR;IFNARB	
Molecular Weight:	26.2 kDa	
NCBI Accession: Pathways:	NP_997468 JAK-STAT Signaling, Hepatitis C	
Application Details		
Restrictions: Handling	For Research Use only	
Format:	Lyophilized	
Reconstitution:	Please refer to the printed manual for detailed information.	
Buffer:	Lyophilized from sterile PBS, pH 7.4	
Storage:	4 °C,-20 °C,-80 °C	
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted	

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN7317897 | 09/09/2023 | Copyright antibodies-online. All rights reserved. samples are stable at < -20°C for 3 months.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN7317897 | 09/09/2023 | Copyright antibodies-online. All rights reserved.