

Recombinant Human IFNAR2 protein (Fc Chimera)
ab83680

3 Images

Description

Product name	Recombinant Human IFNAR2 protein (Fc Chimera)		
Biological activity	ab83680 bound to protein A sepharose beads was able to pull down its ligand, IFNa2b.		
Purity	> 95 % SDS-PAGE.		
Expression system	HEK 293 cells		
Accession	<u>P48551</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	<div>Theoretical Sequence</div> <div>ISYDSPDYTDESCTFKISLRNFRSILSWELKNHSMPTHYLL YTIMSKP EDLKVVKNCANTTRSFCDLTDEWRSTHEAYVTVLEGFSG NTTLFSCSHNF WLAIMSFEPPEFENVGFTNHINVMVKFPSMEEELQFDLS LVIEEQSEG VKKHKPEIKGNMSGNFTYIIDKLIPNTNYCVSVYLEHSDEQ AVIKSPLK CTLLPPGQESESAESAAGSSNTKVDKKVEPKSCDKTHTC PPCPAPELLGG PSVFLFPPKPKDMLISRTPEVTCVVVDVSHEDPEVKFN WYVDGVEVHNA KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNK ALPAPIEKTIS KAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDI AVEWESNGQP ENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFNCS VMHEALHNHYTQKSLSLSPGK</div>		
Amino acids	1 to 243		
Additional sequence information	Fused with the Fc region of Human IgG1 at the C-terminus.		

Specifications

Our **Abpromise guarantee** covers the use of **ab83680** in the following tested applications.

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

Applications	Functional Studies
	SDS-PAGE
Form	Lyophilized
Additional notes	ab83680 bound to protein A sepharose beads was able to pull down its ligand, IFN α 2b.

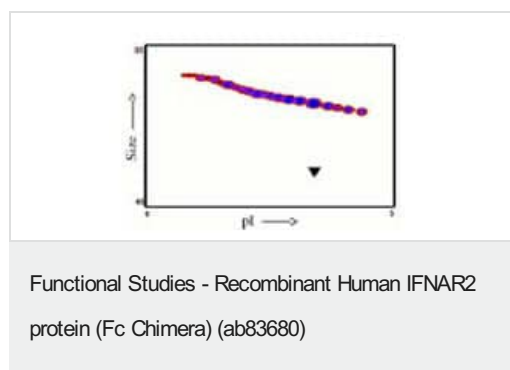
Preparation and Storage

Stability and Storage	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.
	Constituents: PBS, 1% Human serum albumin, 10% Trehalose
Reconstitution	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

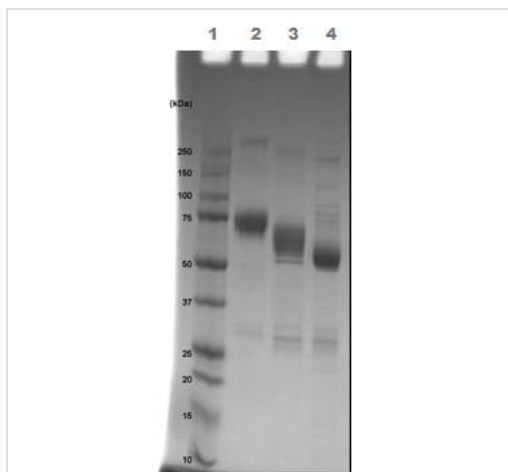
General Info

Function	Associates with IFNAR1 to form the type I interferon receptor. Receptor for interferons alpha and beta. 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.
Tissue specificity	Isoform 3 is detected in the urine (at protein level). Expressed in blood cells. Expressed in lymphoblastoid and fibrosarcoma cell lines.
Sequence similarities	Belongs to the type II cytokine receptor family.
Post-translational modifications	Phosphorylated on tyrosine residues upon interferon binding. Phosphorylation at Tyr-337 or Tyr-512 are sufficient to mediate interferon dependent activation of STAT1, STAT2 and STAT3 leading to antiproliferative effects on many different cell types. Glycosylated.
Cellular localization	Secreted and Membrane.

Images



Densitometry of protein isoforms visualised by 2-DE. The triangle indicates the theoretical MW and pI of the protein.

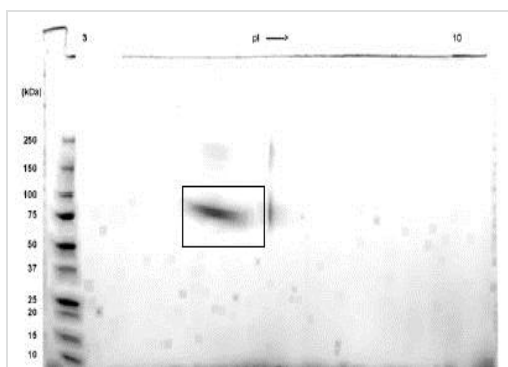


SDS-PAGE - Recombinant Human IFNAR2 protein
(Fc Chimera) (ab83680)

1D SDS-PAGE of ab83680 before and after treatment with glycosidases to remove oligosaccharides.

Lane 1 MW markers; Lane 2 ab83680; Lane 3 ab83680 treated with PNGase F to remove potential N-linked glycans; Lane 4 ab83680 treated with a glycosidase cocktail to remove potential N- and O-linked glycans. Approximately 5 µg of protein was loaded per lane.

Drop in MW after treatment with PNGase F indicates presence of N-linked glycans. A further drop in MW after treatment with the glycosidase cocktail indicates the presence of O-linked glycans. Additional bands in lane 3 and lane 4 are glycosidase enzymes.



SDS-PAGE - Recombinant Human IFNAR2 protein
(Fc Chimera) (ab83680)

A sample of ab83680 without carrier protein was reduced and alkylated and focused on a 3-10 IPG strip then run on a 4-20% Tris-HCl 2D gel. Approximately 40 µg of protein was load; Gel was stained using Deep Purple™.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors