

## IFN-alpha/beta R2 Active Protein | IFN-alpha/betaR2 active protein

Recombinant Human IFN-alpha/beta R2 protein

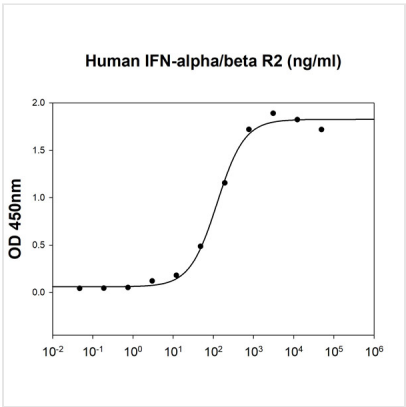
|                              |                            |                                 |
|------------------------------|----------------------------|---------------------------------|
| CATALOG #<br><b>AAA48365</b> | HOST<br><b>Baculovirus</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|----------------------------|---------------------------------|

### PRODUCT SYNONYMS

IFN-alpha/beta R2; Recombinant Human IFN-alpha/beta R2 protein; Interferon alpha/beta receptor 2; IFNAR2; IFN-alpha binding protein; Interferon alpha binding protein; Type I interferon receptor 2; interferon alpha/beta receptor 2 isoform a; IFN-R-2; IFNABR; IFNARB; IFN-alpha-REC; IFN-R; IMD45; IFN-alpha/betaR2 active protein

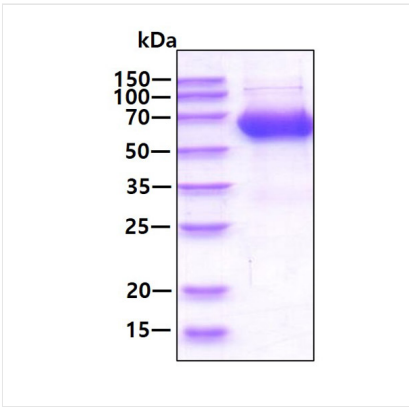
### PRODUCT SPECIFICATIONS

|                                                             |                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                        | Baculovirus                                                                                                                                                                                                                                        |
| Purity/Purification                                         | >90% by SDS-PAGE                                                                                                                                                                                                                                   |
| Form/Format                                                 | Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol                                                                                                                                                                               |
| Concentration                                               | 0.25mg/ml (determined by Absorbance at 280nm) (varies by lot)                                                                                                                                                                                      |
| Sequence Positions                                          | 27-243aa                                                                                                                                                                                                                                           |
| Sequence                                                    | ISYDSPDYTD ESCTFKISLR NFRSILSWEL KNHSIVPTHY TLLYTMSKP EDLKVVKNCA NTTRSFCDLT<br>DEWRSTHEAY VTVLEGFSGN TTLFSCSHNF WLAIMSFEP PEFEIVGFTN HINVMVKFPS IVEEELQFDL<br>SLVIEEQSEG IVKKHKPEIK GNMSGNFTYI IDKLIPNTNY CVSVYLEHSD EQAVIKSPLK CTLLPPGQES ESAESAK |
| Applicable Applications for IFN-alpha/betaR2 active protein | Bioactivity, SDS-PAGE                                                                                                                                                                                                                              |
| Endotoxin                                                   | <1 EU per 1ug of protein (determined by LAL method)                                                                                                                                                                                                |
| Species                                                     | Human                                                                                                                                                                                                                                              |
| Tag                                                         | hIgG-His-Tag                                                                                                                                                                                                                                       |
| Predicted N-term                                            | Ile                                                                                                                                                                                                                                                |
| Bioactivity                                                 | Measured by its binding ability in a functional ELISA with Human IFN-alpha 2 in the presence of Human IFN-alpha/beta R1. The ED50 range <= 500ng/ml.                                                                                               |
| Preparation and Storage                                     | Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.                                                                                      |



Bioactivity

Human IFN-alpha 2 (CAT# IFN0502) is coated at 10 ug/ml (100 ul/well) can bind Human IFN-alpha/beta R2 in the presence of Human IFN-alpha/beta R1 (CAT# ATGP3894). The ED50 range



SDS-PAGE

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

ADDITIONAL INFORMATION

|                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IFN-alpha/betaR2 active protein | IFN-alpha/beta R2, also known as IFNAR2, is a member of the class II cytokine receptor family. This protein is the principal ligand binding subunit of the receptor. Ligand bindnig is stabilized by the subsequent association with IFNAR1 and forms the signaling compelx receptor. It also plays the role in STAT1, STAT2, and STAT3 activation. Recombinant human IFN-alpha/beta R2, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Product Categories/Family for IFN-alpha/betaR2 active protein   | Immunology; Hormones & Cytokines; Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| References                                                      | Grazziola C, et al, (2005) Int J Oncol 26:129-140. Ortiz A, et al, (2019) Cancer Cell 35:33-45.                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 46488937                                                                                                                                                                                                              |
| NCBI GeneID                      | 3455                                                                                                                                                                                                                  |
| NCBI Accession #                 | NP_997468                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_207585                                                                                                                                                                                                             |
| UniProt Accession #              | P48551; Q15467; Q6FHD7; A8KAJ4; D3DSE8; D3DSE9                                                                                                                                                                        |
| Molecular Weight                 | 27,384 Da                                                                                                                                                                                                             |
| NCBI Official Full Name          | interferon alpha/beta receptor 2 isoform a                                                                                                                                                                            |
| NCBI Official Synonym Full Names | interferon (alpha, beta and omega) receptor 2                                                                                                                                                                         |
| NCBI Official Symbol             | IFNAR2                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | IFN-R; IFNABR; IFNARB; IFN-alpha-REC                                                                                                                                                                                  |
| NCBI Protein Information         | interferon alpha/beta receptor 2; IFN-R-2; IFN-alpha/beta receptor 2; human interferon alpha/beta receptor; interferon alpha binding protein; interferon-alpha/beta receptor beta chain; type I interferon receptor 2 |
| UniProt Protein Name             | Interferon alpha/beta receptor 2                                                                                                                                                                                      |
| UniProt Gene Name                | IFNAR2                                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | IFNABR; IFNARB; IFN-R-2; IFN-alpha binding protein; IFN-alpha/beta receptor 2                                                                                                                                         |
| UniProt Entry Name               | INAR2_HUMAN                                                                                                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-ifn-alpha-beta2-active-protein/ifn-alpha-beta-r2/48365>