

# Recombinant Rhesus monkey IL10 protein, His/GST-tagged

**Cat. No.** IL10-21R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rhesus monkey IL10 protein (Arg42~Ser159) was expressed in E. coli with Two N-terminal Tags, His-tag and GST-tag.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Rhesus macaque                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 42-159 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | IL-10 is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. |
| <b>Form</b>             | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 42kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | RELRFVAFGRVKTFQKKDQLDSMLLKESLLEDFKGYLGCGQALSEMIQFYLEEVMPPQ<br>AENHDPDIKEHVNSLGEKLTFRRLRRLRRCHFLPCENKSKAVAQVKNVSKLQKEG<br>VYKAMS                                                                                                                                                                                                                                                                                                                                                     |

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|                       |                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >92%                                                                                                                                                                   |
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB                                                                                                                              |
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70 centigrade.                                                                                     |
| <b>Storage</b>        | Store it under sterile conditions at -20 centigrade to -80 centigrade upon receiving.<br>Recommend to aliquot the protein into smaller quantities for optimal storage. |
| <b>Concentration</b>  | 200g/mL                                                                                                                                                                |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.<br>Do not vortex.                                                                   |

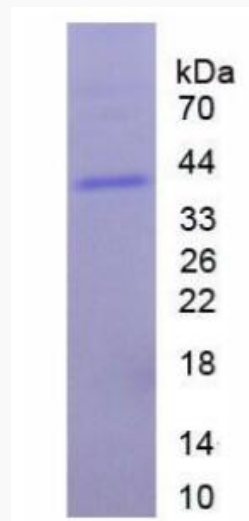
## GENE INFORMATION

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL10 interleukin 10 [ <i>Macaca mulatta</i> (Rhesus monkey) ]                                                                         |
| <b>Official Symbol</b> | IL10                                                                                                                                  |
| <b>Synonyms</b>        | IL10 Protein, CSIF Protein, GVHDS Protein, IL-10 Protein, IL10A Protein, Interleukin-10 Protein, Interleukin 10 Protein, TGIF Protein |
| <b>Gene ID</b>         | 694931                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_001044727                                                                                                                          |
| <b>Protein Refseq</b>  | NP_001038192                                                                                                                          |
| <b>UniProt ID</b>      | P51496                                                                                                                                |

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