

# Product datasheet for TP723723

# IL10 (NM\_000572) Human Recombinant Protein

## **Product data:**

#### **Product Type: Recombinant Proteins Description:** Purified recombinant protein of Human interleukin 10 (IL10) Species: Human **HEK293 Expression Host: Expression cDNA Clone** Human IL-10, the region of Ser19-Asn178, from gene Accession# NM\_000572 or AA Sequence: Tag: Tag Free Predicted MW: 18.6 kDa **Concentration:** lot specific **Purity:** >95%, as determined by Coomassie stained SDS-PAGE. **Buffer:** 1 x PBS **Bioactivity:** The ED50 is 0.1 - 0.3 ng/ml corresponding to a specific activity of 3.3 - 10 x 10^6 units/mg, determined by the dose dependent inhibition of IFNg production by PHA activated PBMC. Less than 0.01 ng per µg protein as determined by the LAL method Endotoxin: Store at -80°C. Storage: Stability: Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles. NP 000563 RefSeq: Locus ID: 3586 **UniProt ID:** P22301 1629 RefSeq Size: Cytogenetics: 1q32.1 **RefSeq ORF:** 534 Synonyms: CSIF; GVHDS; IL-10; IL10A; TGIF



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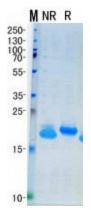
### OriGene Technologies, Inc.

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### Second States IL10 (NM\_000572) Human Recombinant Protein – TP723723

- Summary: The protein encoded by this gene 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. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis. [provided by RefSeq, May 2020]
  Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
- **Protein Pathways:** Allograft rejection, Asthma, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Systemic lupus erythematosus, T cell receptor signaling pathway

### **Product images:**



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