

## Product datasheet for **TP316785L**

### IL10 (NM\_000572) Human Recombinant Protein

#### Product data:

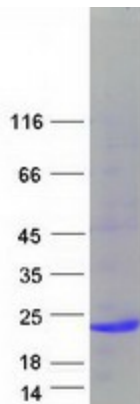
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens interleukin 10 (IL10), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216785 representing NM_000572 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MHSSALLCCLVLLTGVRASPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFQMKDQLDNLLKESL LEDFKGYLGQCQALSEMIQFYLEEVMPPQAENQDPDIKAHVNSLGENLKTLLRRLRRCHRFLPCENKSKAVE QVKNAFNKLQEKGIYKAMSEFDIFINYIEAYMTMKIRN
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	18.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_000563</a></u>
Locus ID:	3586
UniProt ID:	<u><a href="#">P22301</a></u> , <u><a href="#">Q6FGW4</a></u>
RefSeq Size:	1629



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<b>Cytogenetics:</b>	1q32.1
<b>RefSeq ORF:</b>	534
<b>Synonyms:</b>	CSIF; GVHDS; IL-10; IL10A; TGIF
<b>Summary:</b>	<p>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]</p>
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
<b>Protein Pathways:</b>	Allograft rejection, Asthma, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Systemic lupus erythematosus, T cell receptor signaling pathway

### Product images:



Coomassie blue staining of purified IL10 protein (Cat# [TP316785]). The protein was produced from HEK293T cells transfected with IL10 cDNA clone (Cat# [RC216785]) using MegaTran 2.0 (Cat# [TT210002]).