

Product datasheet for **TP724597**

IL10 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Interleukin-10/IL-10 (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser19-Asn178
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.2
Note:	Recombinant Human Interleukin-10 is produced by Human 293 Cells. The target gene encoding Ser19-Asn178 is expressed with a 6His tag at the C terminus.
Stability:	12 months from date of despatch
Locus ID:	3586
UniProt ID:	P22301
Summary:	Interleukin-10 (IL-10), also known as cytokine synthesis inhibitory factor (CSIF), is a secreted protein that belongs to the IL-10 family. IL-10 is secreted by various mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. As a major immune regulatory cytokine, IL-10 has profound anti-inflammatory functions on many cells of the immune system, limiting excessive tissue disruption caused by inflammation. Studies showed that IL-10 provides a feedback loop to limit the effector functions of macrophages and DCs on T cells. Once expressed, IL-10 signals through the IL-10 receptor (IL-10R) to activate STAT3. In addition to elevated levels in parasitic infection, high expression levels of IL-10 are also found in retroviral infections inducing immunodeficiency. The immunosuppressive properties of IL-10 suggest a possible clinical use of IL-10 in suppressing rejections of grafts after organ transplantations



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