

Product datasheet for **TP723180**

IL10 (NM_010548) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 10 (IL10).
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSRGQYSRED NNCTHFPVGQ SHMLLELRTA FSQVKTFQKTD KDQLDNILLT DSLMQDFKGY LGCQALSEMI QFYLVVEVMPQ AEKHGPEIKE HLNSLGQKLK TLRMLRRCH RFLPCENKSK AVEQVKSDFN KLEDQGVYKA MNEFDIFINC IEAYMMIKMK S
Tag:	Tag Free
Predicted MW:	18.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	The biological activity of murine IL-10 is measured by the dose-dependent co-stimulation (with IL-4) of the proliferation of murine MC/9 cells. The ED50 was found to be > 2 ng/ml, corresponding to a specific activity of > 5 x 10 ⁵ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_034678
Locus ID:	16153
UniProt ID:	P18893 , Q3U879
RefSeq Size:	1306
Cytogenetics:	1 56.89 cM
RefSeq ORF:	534
Synonyms:	CSIF; If2a; IL-; IL-10



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Summary:

This gene encodes an anti-inflammatory cytokine that is a member of the class-2 cytokine family. The encoded protein is secreted by cells of both the innate and adaptive immune systems and is crucial for limiting the immune response to a broad range of pathogens. It also has been shown to suppress autoimmune responses. This protein mediates its immunosuppressive signal through a specific interleukin 10 receptor complex. Aberrant functioning of this gene is associated with numerous immune disorders including graft-versus-host disease, and increased susceptibility to HIV-1 infection and rheumatoid arthritis. [provided by RefSeq, Sep 2015]

Product images: