

Product datasheet for **TP723748**

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:	Mouse IL-10, the region of Ser19-Ser178, from gene Accession# NM_010548, with a Cys149Tyr substitution
Tag:	Tag Free
Predicted MW:	18.9 kDa
Concentration:	lot specific
Purity:	Purity is >98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	20 mM Tris pH 7.5
Bioactivity:	The ED50 is 1- 2 ng/ml, corresponding to a specific activity of 1- 0.5 x 10 ⁶ units/mg, determined by the dose dependent stimulation MC/9 cell proliferation.
Endotoxin:	Less than 0.01 ng per ug protein as determined by the LAL method
Storage:	Store at -80°C.
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.
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: