

Product datasheet for **TP727372**

IL4 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Interleukin-4/IL-4 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	His21-Ser140
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	Recombinant Mouse Interleukin-4 is produced by our Mammalian expression system and the target gene encoding His21-Ser140 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	16189
UniProt ID:	P07750
Summary:	Interleukin-4 (IL-4) is a pleiotropic cytokine that regulates diverse T and B cell responses including cell proliferation, survival and gene expression. IL-4 is produced by mast cells, T cells, and bone marrow stromal cells. IL-4 regulates the differentiation of naive CD4+ T cells into helper Th2 cells, characterized by their cytokine-secretion profile that includes secretion of IL-4, IL-5, IL-6, IL-10, and IL-13, which favor a humoral immune response. Another dominant function of IL-4 is the regulation of immunoglobulin class switching to the IgG1 and IgE isotypes. Excessive IL-4 production by Th2 cells has been associated with elevated IgE production and allergic response.



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