

## Product datasheet for **TP727897**

### IL5 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse IL-5 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Met21-Gly133
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Recombinant Mouse Interleukin-5 is produced by our Mammalian expression system and the target gene encoding Met21-Gly133 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	16191
UniProt ID:	<a href="#">P04401</a>
Summary:	IL-5 is expressed in eosinophils, NK cells, TC2 CD8+ T cells, mast cells, CD45+ CD4+ T cells, gamma delta T cells and IL-1 beta activated endothelial cells. IL-5 acts as a growth and differentiation factor for both B cells and eosinophils. Relative to B cells, IL-5 appears to induce the differentiation of activated conventional B-2 cells into Ig-secreting cells. In addition, it induces the growth of B-1 progenitors as well as IgM production by B-1 cells. IL-5 appears to perform a number of functions on eosinophils. These include the down modulation of Mac-1, the upregulation of receptors for IgA and IgG, the stimulation of lipid mediator (leukotriene C4 and PAF) secretion and the induction of granule release. IL-5 also promotes the growth and differentiation of eosinophils.



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