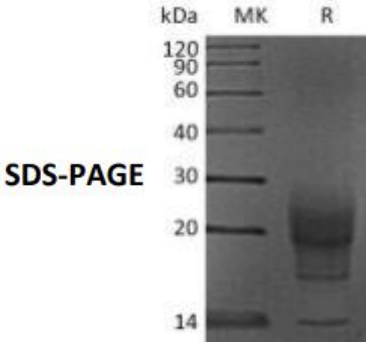


## Recombinant Mouse IL-5

Catalog#:P01497 Derived from Human Cells

<b>DESCRIPTION</b>	<p>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.</p> <p><b>Accession#:</b> P04401</p> <p><b>Known as:</b> Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF; IL5</p>
<b>FORMULATION</b>	Lyophilized from a 0.2µm filtered solution of PBS, pH 7.4.
<b>SHIPPING</b>	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>STORAGE</b>	<p>Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.</p> <p>Reconstituted protein solution can be stored at 2-8°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.</p>
<b>RECONSTITUTION</b>	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>QUALITY CONTROL</b>	<p><b>Mol Mass:</b>13.9kDa <b>AP Mol Mass:</b>14-26kDa, reducing conditions.</p> <p><b>Purity:</b> Greater than 95% as determined by reducing SDS-PAGE.</p> <p><b>Endotoxin:</b> Less than 0.1ng/µg (1 EU/µg) as determined by LAL test.</p>
<b>BACKGROUND</b>	<p>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.</p>
 <p>SDS-PAGE</p>	