

## Product Datasheet

### RecombinantIL-5,Mouse (orb1494816)

<b>Description</b>	Interleukin-5 (rmIL-5), produced by mast cells, T cells and eosinophils, is responsible for the activities attributed to eosinophil differentiating factor, B cell growth factor II and T cell-replacing factor (TRF). It can increase production and mobilization of eosinophils and CD34+ progenitors from the bone marrow. IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. IL-5 also promotes differentiation of basophils and primes them for histamine and leukotriene release. Recombinant mouse Interleukin-5 (rmIL-5) produced in E.coli is a disulfide-linked homodimer containing two non-glycosylated polypeptide chains of 113 amino acids each. A fully biologically active molecule, rmIL-5 has a molecular mass of 26.2kDa analyzed by non-reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at GenScript.
<b>Endotoxins</b>	< 0.2 EU/μg, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant mouse Interleukin-5 (rmIL-5) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmIL-5 should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O at 100 μg/ml.
<b>Protein Sequence</b>	MEIPMSTVV KETLTQLSAH RALLTSNETM RLPVPTHKNH QLCIGEIFQG LDILKNQTVR GGTVEMLFQN LSLIKKYIDR QKEKCGEERR RTRQFLDYLQ EFLGVMSTEW AMEG
<b>Purity</b>	> 95% by SDS-PAGE and HPLC analyses.
<b>Source</b>	Escherichia coli.
<b>MW</b>	26.2kDa, observed by non-reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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