

## Active Recombinant Mouse IL5 Protein, His-tagged

**Cat. No.** IL5-07M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant mouse IL-5 (21-133aa), fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques. |
| <b>Species</b>          | Mouse                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                   |
| <b>ProteinLength</b>    | 21-133aa                                                                                                                                                 |
| <b>Description</b>      | Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.                                               |
| <b>Form</b>             | Liquid                                                                                                                                                   |
| <b>Bio-activity</b>     | Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range $\leq 3$ ng/mL.                                            |
| <b>Molecular Mass</b>   | 14.2kDa (122aa)                                                                                                                                          |
| <b>AA Sequence</b>      | MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKNHQLCIGEIFQGLDILKNQTV<br>RGGTVEMLFQNLSLIKKYIDRQKEKCGEERRRTRQFLDYQLQEFLGVMSTEWAMEG                                   |
| <b>Endotoxin</b>        | < 1 EU/ $\mu$ g of protein (determined by LAL method)                                                                                                    |
| <b>Purity</b>           | > 90% by SDS-PAGE                                                                                                                                        |

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|                       |                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE, Bioactivity                                                                                                                                           |
| <b>Storage</b>        | Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>  | 0.25 mg/mL (determined by Absorbance at 280nm)                                                                                                                  |
| <b>Storage Buffer</b> | Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol                                                                                                      |

## GENE INFORMATION

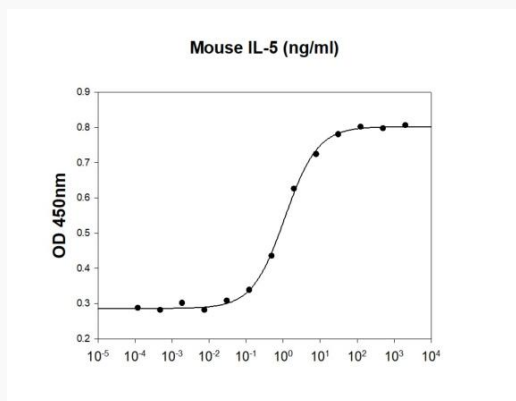
|                        |                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL5 interleukin 5 [ <i>Mus musculus</i> (house mouse) ]                                                                                                                        |
| <b>Official Symbol</b> | IL5                                                                                                                                                                            |
| <b>Synonyms</b>        | IL5; interleukin 5; IL; IL-5; interleukin-5; B-cell growth factor II; BCGF-II; T-cell replacing factor; TRF; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor |
| <b>Gene ID</b>         | 16191                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_010558                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_034688                                                                                                                                                                      |
| <b>UniProt ID</b>      | P04401                                                                                                                                                                         |

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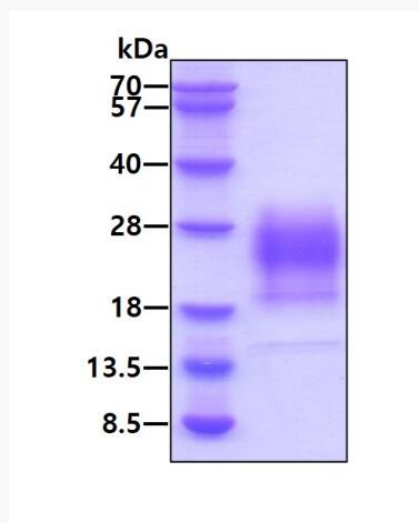
## Biological Activity



Mouse IL-5 in a cell proliferation assay using TF-1 human erythroleukemic cells.

The ED50 range  $\leq 3$  ng/mL.

## SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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