

## Active Recombinant Mouse IL5 Protein

Cat. No. IL5-111M    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Mouse interleukin 5 (IL5) (Met21-Gly133) without tag was expressed Sf9 cell.                                                                                                                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 21-133 a.a.                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | The ED50 is 0.03 - 0.15 ng/ml, corresponding to a specific activity of 0.66 - 3.3 x 10 <sup>7</sup> units/mg.                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 13.1 kDa                                                                                                                                                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | Less than 0.01 ng per µg protein as determined by the LAL method                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | >98%, as determined by Coomassie stained SDS-PAGE.                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | Unopened vial can be stored between 2 centigrade and 8 centigrade for up to 2 weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 centigrade and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated |

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freeze/thaw cycles.

**Storage**

Store at -80 centigrade.

**Concentration**

Protein formulated and vialled at >50 ug/mL in specified buffer

**Storage Buffer**

1 x PBS

## GENE INFORMATION

**Gene Name**

IL5 interleukin 5 [ *Mus musculus* (house mouse) ]

**Official Symbol**

IL5

**Synonyms**

IL5; interleukin 5; IL-5; interleukin-5; B-cell growth factor II; BCGF-II; T-cell replacing factor; TRF; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor

**Gene ID**

16191

**mRNA Refseq**

NM\_010558

**Protein Refseq**

NP\_034688

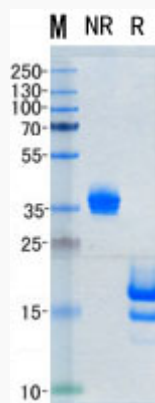
**UniProt ID**

P04401

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