Bioactive

# Il5 (Mouse) Recombinant Protein

Catalog # P7311 Size 10 ug

## Applications

### Result of activity analysis

Result of activity analysis

## Specification

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|---|---|
| **Product Description** | Mouse Il5 (P04401, 21 a.a. - 133 a.a.) partial recombinant protein expressed in *Escherichia coli*. |
| **Sequence** | MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKNHQLCIGEIFQGLDILKNQTVRGGTVEMLF QNLSLIKKYIDRQKEKCGEERRRTRQFLDYLQEFLGVMSTEWAMEG |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 26.2 |
| **Form** | Lyophilized |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purity** | > 95% as analyzed by SDS-PAGE.<br>> 95% as analyzed by HPLC. |
| **Endotoxin Level** | < 0.2 EU/μg of protein by gel clotting method |
| **Activity** | $ED_{50}$ < 2.0 ng/mL, measured by a cell proliferation assay using TF-1 Cells, corresponding to a specific activity of > $5.0 \times 10^5$ units/mg. |
| **Recommend Usage** | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user. |

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| **Storage Buffer** | Lyophilized from PBS. Reconstitute the lyophilized powder in dd$H_2O$ up to 100 ug/mL. |
| **Storage Instruction** | Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | Result of activity analysis<br>Result of activity analysis |

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — Il5

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|---|---|
| **Entrez GeneID** | 16191 |
| **Protein Accession#** | P04401 |
| **Gene Name** | Il5 |
| **Gene Alias** | Il-5 |
| **Gene Description** | interleukin 5 |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | OTTMUSP00000005818 |

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