

## Active Recombinant Mouse IL2 Protein

**Cat. No.** IL2-106M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant mouse IL2 (21-169aa) protein without tag was expressed in E.coli.  |
| <b>Species</b>          | Mouse  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 21-169 a.a.  |
| <b>Description</b>      | IL2(Interleukin2), also known as T cell growth factor (TCGF), is an immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes. |
| <b>Form</b>             | Liquid   |
| <b>Bio-activity</b>     | Measured in a cell proliferation assay using CTLL-2 mouse T lymphocyte. The ED50 for this effect is < 0.9 ng/mL.   |
| <b>Molecular Mass</b>   | 17.3kDa  |
| <b>AA Sequence</b>      | MAPTSSSTSSSTAEQQQQQQQQQQHLEQLLMDLQELLSRMENYRNLKLPRM<br>LTFKFYLPKQATELKDLQCLEDELGPLRHVLQDTQSKSFQLEDAENFISNIRVTVVKLK<br>GSDNTFECQFDDESATVVDLRRWIAFSQSIISTSPQ   |

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For Research Use Only

|                         |  |
|-------------------------|--|
| <b>Endotoxin</b>        | < 1.0 EU per 1 microgram of protein (determined by LAL method)   |
| <b>Purity</b>           | > 90% by SDS - PAGE  |
| <b>Notes</b>            | For research use only. This product is not intended or approved for human, diagnostics or veterinary use.  |
| <b>Storage</b>          | Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b>    | 0.5 mg/mL (determined by BCA assay)  |
| <b>Storage Buffer</b>   | In Phosphate Buffered Saline (pH7.4), 10% glycerol   |
| <b>GENE INFORMATION</b> |  |
| <b>Gene Name</b>        | Il2  |
| <b>Official Symbol</b>  | Il2 interleukin 2 [ <i>Mus musculus</i> (house mouse) ]  |
| <b>Synonyms</b>         | Il2; interleukin 2; Il-2; interleukin-2; T-cell growth factor; TCGF  |
| <b>Gene ID</b>          | 16183  |
| <b>mRNA Refseq</b>      | NM_008366  |
| <b>Protein Refseq</b>   | NP_032392  |
| <b>UniProt ID</b>       | P04351   |

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