

# Recombinant Human Interleukin-2(IL2)

Catalog No: #AP70438

Package Size: #AP70438-1 20ug #AP70438-2 100ug #AP70438-3 1mg

## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human Interleukin-2(IL2)                                                                                                                                                                                                                                                                                                                                                            |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:21-153aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                             |
| Other Names           | T-cell growth factor ;TCGFINN: Aldesleukin                                                                                                                                                                                                                                                                                                                                                      |
| Accession No.         | P60568                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW         | 42.4 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag Info              | N-terminal GST-tagged                                                                                                                                                                                                                                                                                                                                                                           |
| Target Sequence       | APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLCLEEEELKPLEEVNLNAQS<br>KNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT                                                                                                                                                                                                                                                       |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

## Background

Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.

## References

Crystal structure of the IL-2 signaling complex paradigm for a heterotrimeric cytokine receptor.Stauber D.J., Debler E.W., Horton P.A., Smith K.A., Wilson I.A.Proc. Natl. Acad. Sci. U.S.A. 103:2788-2793(2006)Research Topic:Immunology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.