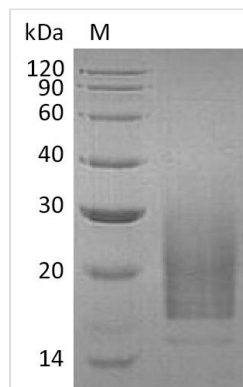




# Recombinant Human Interleukin-3 (IL3) (Active)

|                            |                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-AP004521HU                                                                                                                                |
| <b>Abbreviation</b>        | Recombinant Human IL3 protein (Active)                                                                                                        |
| <b>Uniprot No.</b>         | P08700                                                                                                                                        |
| <b>Form</b>                | Lyophilized powder                                                                                                                            |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 µm filtered 1xPBS, pH 7.4                                                                                              |
| <b>Product Type</b>        | Interleukin                                                                                                                                   |
| <b>Immunogen Species</b>   | Homo sapiens (Human)                                                                                                                          |
| <b>Biological Activity</b> | The ED50 as determined in a cell proliferation assay using TF?1 human erythroleukemic cells is 0.3-1.5 ng/ml.                                 |
| <b>Purity</b>              | Greater than 95% as determined by SDS-PAGE.                                                                                                   |
| <b>Sequence</b>            | APMTQTTPLKTSWVNCSNMIDEIITHLKQPPLPLLDNFNNLNGEDQDILMENNLR<br>RPNLEAFNRAVKSLQNASAIESILKNLLPCLPLATAAPTRHPIHIKDGDWNEFR<br>KLTFYLKTLENAQAQQTTLSLAIF |
| <b>Research Area</b>       | Immunology                                                                                                                                    |
| <b>Source</b>              | Mammalian cell                                                                                                                                |
| <b>Target Names</b>        | IL3                                                                                                                                           |
| <b>Expression Region</b>   | 20-152aa                                                                                                                                      |
| <b>Notes</b>               | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                           |
| <b>Tag Info</b>            | C-terminal 6xHis-tagged                                                                                                                       |
| <b>Mol. Weight</b>         | 16.1 kDa                                                                                                                                      |
| <b>Protein Length</b>      | Full Length of Mature Protein                                                                                                                 |

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

|                       |                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | Less than 0.01 EU/µg as determined by LAL method.                                                                                                                    |
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a |



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### **Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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.