

## CytoGrow™ Recombinant IL-3 (Human)

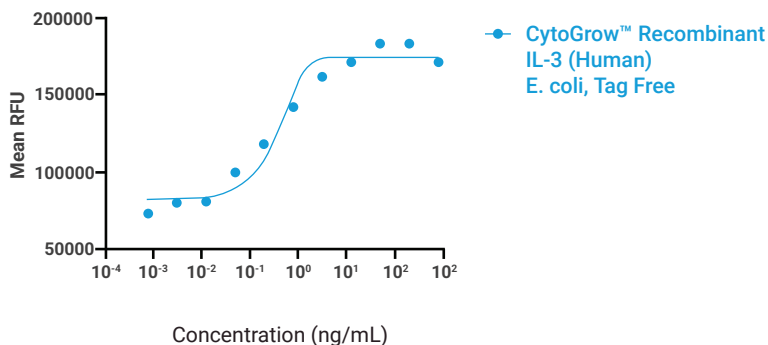
Catalog Numbers: CG096-A, CG096-B, CG096-C

Revision 1.0

### Specifications

|                       |  |
|-----------------------|--|
| Synonym               |  |
| Species               | Human  |
| Size                  | 10 µg/vial, 50 µg/vial, 1 mg/vial  |
| Tag                   | Tag Free   |
| Purity                | ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)   |
| Endotoxin             | ≤10 EU/mg by the LAL method  |
| Expression System     | E. coli  |
| Expression Region     | Ala20-Phe152   |
| pH                    | 7.0-8.0  |
| Appearance            | White powder,colorless clear liquid after reconstitution   |
| Formulation           | Lyophilized from a 0.22 µm filtered solution containing 10mM PB,5% Trehalose and 0.01% Tween 80, pH7.4   |
| Shipping              | Ships overnight  |
| Reconstitution        | Recommended to redissolve in sterile deionized water.  |
| Storage and Stability | <p>Lyophilized state:<br/>36 months at -20°C to -80°C</p> <p>After reconstitution and under sterile conditions.<br/>6 months at -20°C to -80°C<br/>7-10 days at 2°C to 8°C</p> <p>Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> |

### Bioactivity



Measured in a cell proliferation assay using TF-1 cells.

### Reconstitution

1. Reconstitute protein to concentrations of 100 µg/mL or higher.
2. Use sterile deionized water to solubilize the lyophilized protein.
3. Gently tap glass vial to help collect the powder to the bottom.
4. Add desired amount of buffer, observe after 2 min. Gentle agitation by hand may be required.
5. Prepare aliquots of solution. Freeze at -20°C to -80°C to avoid repeated freeze thaw cycles.