

## CytoGrow™ Recombinant FLT-3L (Human)

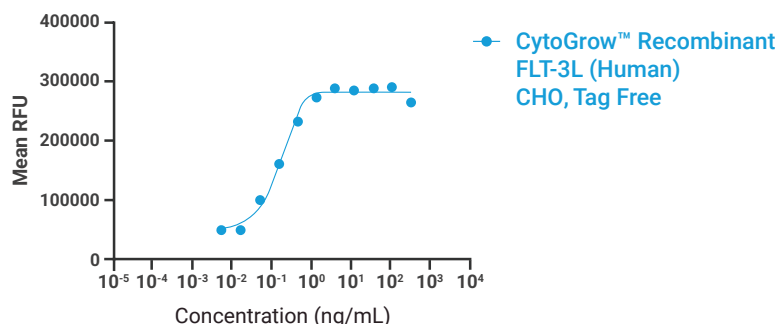
Catalog Numbers: CG026-A, CG026-B, CG026-C

Revision 1.0

### Specifications

|                       |                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Synonym               |                                                                                                             |
| Species               | Human                                                                                                       |
| Size                  | 10µg/50µg/1mg                                                                                               |
| 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     | CHO                                                                                                         |
| Expression Region     | Thr27-Pro184                                                                                                |
| pH                    | 7.0-8.0                                                                                                     |
| Appearance            | White powder, Colorless clear liquid after reconstitution                                                   |
| Formulation           | Lyophilized from a 0.2 µm filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4          |
| Shipping              | The product is shipped with blue ice.                                                                       |
| Reconstitution        | It is recommended to redissolve in sterile deionized water.                                                 |
| Storage and Stability | Lyophilized state:<br>36 months at -20°C to -80°C                                                           |
|                       | 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 |
|                       |                                                                                                             |
|                       | Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.                                    |

### Bioactivity



Biological activity is assessed based on the stimulation of OCI-AML5 cell proliferation. The expected ED<sub>50</sub> is less than or equal to 1.0 ng/mL.

### 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.