



## *Recombinant Human Flt3 Ligand* **rHuFlt3-L, ultra-low endotoxin**

Catalog number: HZ-6003

Lot: CHI-121407

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### *Specifications and Use*

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| <b>Source</b>              | <ul style="list-style-type: none"><li>● <i>Escherichia coli</i>.</li></ul>  |
| <b>Molecular Mass</b>      | <ul style="list-style-type: none"><li>● 17.6kDa</li></ul>   |
| <b>Purity</b>              | <ul style="list-style-type: none"><li>● ≥ 98% as determined by SDS-PAGE and HPLC analyses.</li></ul>  |
| <b>Biological Activity</b> | <ul style="list-style-type: none"><li>● The specific activity is <math>\geq 1 \times 10^6</math> units/mg.</li></ul>  |
| <b>Endotoxin Level</b>     | <ul style="list-style-type: none"><li>● Less than 0.01EU/<math>\mu</math>g of rHuFlt3-L as determined by LAL method.</li></ul>  |
| <b>Formulation</b>         | <ul style="list-style-type: none"><li>● Sterile filtered lyophilized (freeze-dried) powder, with 20mM Tris-HCl, 20mM NaCl , pH7.4</li></ul>   |
| <b>Solubility</b>          | <ul style="list-style-type: none"><li>● It is recommended to reconstitute the lyophilized rHuFlt3-L in sterile distilled H<sub>2</sub>O to prepare a stock solution of no less than 100 <math>\mu</math>g/ml of the cytokine.</li></ul>   |
| <b>Stability</b>           | <ul style="list-style-type: none"><li>● The lyophilized rHuFlt3-L powder, though stable at room temperature, is best kept desiccated below 0 °C.</li><li>● Reconstituted rHuFlt3-L aliquots should be stored at -20 °C for maximal stability up to six months.</li><li>● Avoid repeated freeze-thaw cycles.</li></ul> |
| <b>Usage</b>               | <ul style="list-style-type: none"><li>● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.</li></ul>   |

### ***Human Flt3-Ligand***

Flt3-ligand (flk2-ligand) stimulates the proliferation and colony formation of certain BM precursor cells including CD34+ cells. Recombinant Human Flt3-Ligand is a soluble 17.6 kDa polypeptide containing 155 amino acid residues, which comprises the extracellular domain of the transmembrane flt3-ligand protein.