

**Flt-3 Ligand (Fms-related tyrosine kinase-3 ligand), Mouse**

v. 231101

|                                |   |
|--------------------------------|---|
| <b>Catalog number</b>          | C02058-5UG / C02058-20UG / C02058-100UG   |
| <b>Package</b>                 | 5 µg / 20 µg / 100 µg   |
| <b>Description</b>             | Fms-related tyrosine kinase 3 ligand (FLT3LG) is a protein which in humans is encoded by the FLT3LG gene. FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation. |
| <b>Source</b>                  | <i>Escherichia coli</i>   |
| <b>Sequence</b>                | MGTPDCYFSHSPISSNFKVKFRELTDHLLKDYPVTVAVNLQDEKHCKALWSLFL<br>AQRWIEQLKTVAGSKMQTLLEDVNTTEIHFVTSCTFQPLPECLRFVQTNISHLLKD<br>TCTQLLALKPCIGKACQNF SRCLEVCQPDSSTLLPPRSPIALEATELPEPRPR<br>with polyhistidine tag at the C-terminus  |
| <b>Endotoxin level</b>         | <0.1 EU per 1 µg of the protein by the LAL method.  |
| <b>Activity</b>                | Measure by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3. The ED <sub>50</sub> for this effect is <2 ng/mL.  |
| <b>Purity</b>                  | >98% as determined by SDS-PAGE.   |
| <b>Form</b>                    | Lyophilized   |
| <b>Storage Buffer</b>          | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.   |
| <b>Reconstitution</b>          | It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.   |
| <b>Stability &amp; Storage</b> | This product is stable after storage at: <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.   |



SDS-PAGE analysis of recombinant mouse Flt-3 Ligand

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