

Recombinant Mouse Flt3-Ligand (rm Flt3 / CD135)

Flt3-Ligand is a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand binds to cells expressing the tyrosine kinase receptor Flt3. Flt3-Ligand, by itself does not stimulate proliferation of early hematopoietic cells, but synergizes with other CSFs and interleukins to induce growth and differentiation. Unlike SCF, Flt3-Ligand has no activity on mast cells. Multiple isoforms of Flt3-Ligand have been identified.

Recombinant murine FGF-acidic produced in *E.Coli* is a non-glycosylated, polypeptide chain containing 163 amino acids and having a molecular mass of 18.6 kDa.

| | |
|-----------------------------|---|
| Synonyms : | Fms-related tyrosine kinase 3 ligand, Stem Cell Tyrosine Kinase 1(STK1) |
| Source: | <i>Escherichia coli</i> |
| AA Sequence: | The sequence of the first five N-terminal amino acids was determined and was found to be Met-Thr-Pro-Asp-Cys.. |
| Formulation: | Lyophilisate from a 0.22 µm filtered carrier free solution in PBS |
| Reconstitution: | Reconstitute in sterile endotoxin free water not less than 100 µg/ml |
| Stability: | The lyophilized protein is stable for at least 2 years at -20°C. Reconstituted rm Flt3L is stable for at least 3 months when stored in concentrated working aliquots (100 ng/µl or higher) at -20°C. Avoid repeated freeze/thaw cycles. |
| Biological Activity: | Determined by its ability to promote proliferation of Flt3-transfected 32D cells |
| Purity: | 95% (verified by SDS-PAGE / silver stain) |
| Endotoxicity: | The endotoxin level is less than 0.1 ng per µg (1EU/µg) determined by LAL method |
| Order N°: | rm Flt3L+Size available sizes: 2 µg, 10 µg, 50 µg |

This material is offered **for laboratory research and in vitro use only**, not for drug, diagnostic or other use. EuroBioSciences will not be held responsible for patent infringement or other violations that may occur with the use of our products.