

PRODUCT INFORMATION

Croyez GMP® Flt-3 Ligand
(Fms-related tyrosine kinase-3 ligand), Human Human

v. 230901

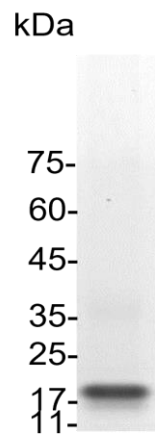
Catalog number	C01085-GMP-100 / C01085-GMP-1000
Package	100 µg / 1 mg
Description	Fms-related tyrosine kinase-3 ligand (Flt-3 Ligand) is a protein which in humans is encoded by the FLT3LG gene. Flt-3 ligand has a tyrosine-protein kinase activity & a growth factor that stimulate the proliferation of hematopoietic progenitor cells of both lymphoid and myeloid origin. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.
Expression System	<i>Escherichia coli</i>
Species of Origin	Human
Affinity Tag	His Tag (C-term)
Sequence	Thr27-Ala181
Endotoxin level	<0.05 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3. The ED ₅₀ for this effect is <0.8 ng/mL. The specific activity of recombinant human Flt-3 Ligand is > 1.5 x 10 ⁶ IU/mg.
Purity	>95% as determined by SDS-PAGE analysis.
Mycoplasma	Not detected
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 0.5 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>
Specification	Croyez GMP® recombinant proteins are manufactured in ISO 13485:2016 and

GMP-certified facility. The processes include:

- Animal-free reagent and laboratory
- Manufactured and tested under GMP guideline
- Testing and traceability of raw material
- Records of the maintenance and equipment calibration
- Personnel training records
- Batch-to-batch consistency
- Documentation of QA control and process changes
- Manufactured and tested under an ISO 13485:2016 certified quality management system
- Stability monitor of product shelf-life

Reference

1. Solanilla A. et al. (2000) Leukemia.14(1):153-62.
2. Stirewalt DL, Radich JP. (2003) Nat Rev Cancer. 3,9: 650-65.
3. Tsapogas P. et al. (2017) Int J Mol Sci. 18,6:1115.
4. Hans G Drexler, Hilmar Quentmeier. (2004) Growth Factors. 22(2):71-3



SDS-PAGE analysis of Croyez GMP[®] Flt-3 Ligand, Human

For Research Use Only. Not for use in diagnostic or therapeutic procedures.