



Data Sheet: CellGro® / CellGenix™
Recombinant Human flt-3 Ligand (Flt-3L) [E.coli]
Ex vivo grade - Order No.: 1015

Source	A DNA sequence encoding a truncated Flt-3L protein was expressed in <i>E. coli</i> .
Raw Material Statement	Produced without the use of animal derived components (ADCF)
Production	Produced under GMP conditions
Molecular Mass	The methionyl form of the <i>E. coli</i> expressed truncated human Flt-3L contains 161 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 18.4 kDa.
Purity	≥ 97%, as determined by SDS-PAGE (under reducing and non-reducing conditions) and visualized by Coomassie staining
Endotoxin Level	< 0.1 ng per 1 µg (< 1000 EU/mg), as determined by LAL gel clot test according to Eur.Pharm.; typically < 0.01 ng per 1 µg (< 100 EU/mg)
Activity	Measured in a cell proliferation assay using a human factor-dependent cell line, OCI/AML5. ED ₅₀ is typically 0.5 – 2 ng/ml (Activity: 0.5x10 ⁶ - 2.0x10 ⁶ IU/mg) calibrated with the 1 st International Standard NIBSC, # 96/532
Sterility	Sterility test according to Eur.Pharm. of the vialled product (direct inoculation)
Formulation	Lyophilized from a 250 µg/ml, 0.2µm-sterile-filtered solution in PBS without any carrier materials and preservatives.
Amount per Vial	50 ± 5 µg, as determined by spectrophotometrical measurement at 280 nm using PBS as reference (A ₂₈₀ = 1.37 for a concentration of 1 mg/ml Flt-3L in PBS)
Transport	Ambient temperature
Storage at	-20°C to -80°C. Avoid repeated freeze-thaw cycles.
Shelf life	2 years from date of production Minimum 6 months from date of shipping
Intended Use	For research or clinical ex vivo cell culture use only. Not intended for human in vivo application.

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