

RECOMBINANT HUMAN FLT3-LIGAND

CATALOG NUMBER:	GF038
LOT NUMBER:	22040673
QUANTITY:	10 µg
DESCRIPTION:	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.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1 EU/µg) of flt3-ligand.
ACTIVITY:	GF038 is fully biologically active when compared to standards. The ED ₅₀ was determined by the dose-dependent stimulation of human AML5 cells is ≤ 1.0 ng/mL, corresponding to a specific activity of ≥ 1 x 10 ⁶ units/mg.
PRESENTATION:	Lyophilized protein with no additives. The protein may appear as a haze or film, which is difficult to see at the bottom of the vial.
STORAGE/HANDLING:	The lyophilized powder, though stable at room temperature, is best stored at -20°C. Reconstitute with sterile water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions and stored at 2-8°C for 1 week or at -20°C for future use. Reconstituted GF038 should be stored in undiluted aliquots at -20°C for up to six months.
REFERENCE:	Yoo, ES, et al., Myeloid differentiation of human cord blood CD34 ⁺ cells during ex vivo expansion using thrombopoietin, flt-3 ligand and/or granulocyte-colony stimulating factor. <i>British Journal of Hematology</i> (1999) 105 :1034-1040.

For research use only; not for use as a diagnostic.