

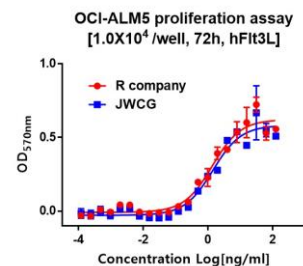
DATA SHEET

Product Information

Product Name	: Recombinant Human Flt3 ligand (rhFlt3L)
Synonyms	: SL cytokine
Description	: Recombinant human Flt3 ligand (rhFlt3L) produced in <i>E. coli</i> is a non-glycosylated 17.7 kDa protein containing 156 amino acids. Flt3L stimulates proliferation and development of a wide range of hematopoietic cells including hematopoietic stem cells and myeloid and lymphoid progenitor cells, dendritic cells (DCs) and natural killer (NK) cells. The mouse and human Flt3L proteins are 72% identical at the amino acid level with a greater homology in the extracellular region than in the cytoplasmic domain.
NCBI Accession No.	: NM_001204502.1
Amino acid sequence	: MTQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLV LAQRWMERLKTVAGSKMQGLLERVNTTEIHFVTKCAFQPPPSCLRFRVQTNISR LLQETSEQLVALKPWITRQNFSRCLELQCQPDSSSTLPPWPSPRPLEATAPTA
Molecular Mass	: 17.71 kDa (156 aa)
Protein Tags	: No tagging
Source	: <i>E. coli</i> .
Cat. No.	: JW-H004-0010, JW-H004-0025, JW-H004-0050, JW-H004-0100, JW-H004-0250, H004-0500, JW-H004-1000
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.
Cross Reactivity	: Mouse, Rat, Monkey

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 97 % by RP-HPLC and SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: 0.1 mg/ml, Bradford method Determined by measuring the proliferation of OCI-AML indicator cells.
Biological Activity	: The ED ₅₀ is < 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁶ U/mg.
Endotoxin	: Less than 0.2 EU/μg as determined by the LAL method
Formulation	: PBS, 5% glycerol (pH 7.4) without preservative or carrier proteins.
Stability	: Stable for up to 12 months at -70 °C. Stable for a month at 4 °C.
Sterility	: Sterilized through a 0.2 μm membrane filter and packaged aseptically. Culture for 2 weeks, no growth



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