

Product datasheet for **SC333997**

Flt3 ligand (FLT3LG) (NM_001278637) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flt3 ligand (FLT3LG) (NM_001278637) Human Untagged Clone
Tag:	Tag Free
Symbol:	Flt3 ligand
Synonyms:	FL; FLG3L; FLT3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333997 representing NM_001278637. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGCGGCTCAAGACTGTCGCTGGGTCCAAGATGCAAGGCTTGCTGGAGCGCGTGAACACGGAGATA
CACTTTGTACCAAATGTGCCTTCAGCCCCCCCCAGCTGTCTTCGCTTCGTCAGACCAACATCTCC
CGCTCCTGCAGGAGACCTCCGAGCAGCTGGTGGCGCTGAAGCCCTGGATCACTCGCCAGAACTTCTCC
CGGTGCCTGGAGCTGCAGTGTAGCCCGACTCCTCAACCCTGCCACCCCATGGAGTCCCCGGCCCTG
GAGGCCACAGCCCCGACAGCCCCGAGCCCCCTGCTCCTCTACTGCTGCTGCCCGTGGGCTCCTG
CTGCTGGCCGCTGCTGGTGCCTGCACTGGCAGAGGACCGGGCGGAGGACACCCCGCCCTGGGGAGCAG
GTCCCCCGTCCCCAGTCCCCAGGACCTGCTGCTTGTGGAGCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001278637
Insert Size:	462 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001278637.1</u>
RefSeq Size:	1102 bp
RefSeq ORF:	462 bp
Locus ID:	2323
UniProt ID:	<u>P49771</u>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Pathways in cancer
MW:	17.3 kDa
Gene Summary:	<p>Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al., 2010 [PubMed 20933441]).[Supplied by OMIM, Jan 2011]</p> <p>Transcript Variant: This variant (4) uses an alternate splice site in the 5' UTR which results in the use of a downstream AUG compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>