

## Product datasheet for **SC333743**

### Fas Ligand (FASLG) (NM\_001302746) Human Untagged Clone

#### Product data:

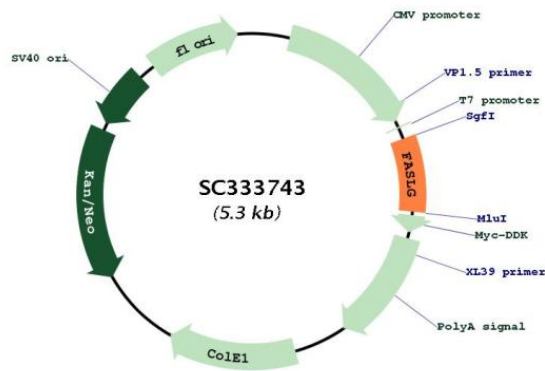
Product Type:	Expression Plasmids
Product Name:	Fas Ligand (FASLG) (NM_001302746) Human Untagged Clone
Tag:	Tag Free
Symbol:	FASLG
Synonyms:	ALPS1B; APT1LG1; APTL; CD95-L; CD95L; CD178; FASL; TNFSF6; TNLG1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333743 representing NM_001302746. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCAGCCCTTCAATTACCCATATCCCAGATCTACTGGGTGGACAGCAGTGCCAGCTCTCCCTGG
GCCCTCCAGGCACAGTTCTTCCCTGTCCAACCTCTGTGCCAGAAGGCCTGGTCAAAGGAGGCCACCA
CCACCACCGCCACCGCCACCACTACCACCTCCGCCCGCCGCCACCACTGCCTCCACTACCGCTGCCA
CCCCTGAAGAAGAGAGGGAACCACAGCAGGCCCTGTGTCTCCTTGTGATGTTTTTCATGGTTCTGGTT
GCCTTGGTAGGATTGGCCTGGGATGTTTCAGCTCTTCCACCTACAGAAGGAGCTGGCAGAACTCCGA
GAGGCCACCCAGTCCACCCCTGAAAAAAGGAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001302746

**Insert Size:** 384 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).

**Reconstitution Method:**

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:** [NM\\_001302746.1](#)

RefSeq Size:	1861 bp
RefSeq ORF:	384 bp
Locus ID:	356
UniProt ID:	<a href="#">P48023</a>
Cytogenetics:	1q24.3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Allograft rejection, Apoptosis, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Graft-versus-host disease, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Pathways in cancer, Type I diabetes mellitus
MW:	14 kDa
Gene Summary:	<p>This gene is a member of the tumor necrosis factor superfamily. The primary function of the encoded transmembrane protein is the induction of apoptosis triggered by binding to FAS. The FAS/FASLG signaling pathway is essential for immune system regulation, including activation-induced cell death (AICD) of T cells and cytotoxic T lymphocyte induced cell death. It has also been implicated in the progression of several cancers. Defects in this gene may be related to some cases of systemic lupus erythematosus (SLE). Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2014]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 5' coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>