

Product datasheet for **RG235849**

Fas Ligand (FASLG) (NM_001302746) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fas Ligand (FASLG) (NM_001302746) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FASLG
Synonyms: ALPS1B; APT1LG1; APTL; CD95-L; CD95L; CD178; FASL; TNFSF6; TNLG1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235849 representing NM_001302746.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCAGCCCTTCAATTACCCATATCCCAGATCTACTGGGTGGACAGCAGTGCCAGCTCTCCCTGG
GCCCTCCAGGCACAGTTCTTCCCTGTCCAACCTCTGTGCCAGAAGGCCTGGTCAAAGGAGGCCACCA
CCACCACCGCCACCGCCACCACTACCACCTCCGCCGCCGCCACCACTGCCTCCACTACCGCTGCCA
CCCCTGAAGAAGAGAGGGAACCACAGCAGGCCTGTGTCTCCTGTGATGTTTTTCATGGTTCTGGTT
GCCTTGGTAGGATTGGGCTGGGATGTTTCAGCTCTTCCACCTACAGAAGGAGCTGGCAGAACTCCGA
GAGGCCACCCAGTCCACCCCTGAAAAAAGGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235849
Blue=ORF Red=Cloning site Green=Tag(s)

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MQQPFNYYPQIYWVDSSASSPWAPPGTVLPCPTSVPRRPQRRPPPPPPPLPPPPPPPLPPLPLP
PLKKRGNHSTGLCLLVMFFMVLVALVGLGLGMFQLFHLQKELAEAREATPVHPLKKRS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: Sgfl-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001302746.1 , NP_001289675.1
RefSeq Size:	1861 bp
RefSeq ORF:	384 bp
Locus ID:	356
UniProt ID:	P48023
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:	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]