

Product datasheet for MC225813

FasI (NM_001205243) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | FasI (NM_001205243) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | FasI |
| Synonyms: | APT1LG1; CD95-L; CD95L; CD178; Fas-L; Faslg; gld; Tnfsf6; Tnlg1a |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC225813 representing NM_001205243 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCAGCCCATGAATTACCCATGTCCCAGATCTTCTGGGTAGACAGCAGTGCCACTTCATCTTGGG
CTCCTCCAGGGTCAGTTTTTCCCTGTCCATCTTGTGGGCTAGAGGGCCGGACCAAGGAGACCGCCACC
TCCACCACCCTGTGTCACTACCACCGCCATCACAACCACTCCCACTGCCGCCACTGACCCCTCTA
AAGAAGAAGGACCACAACAAATCTGTGGCTACCGGTGGTATTTTCATGGTTCTGGTGGCTCTGGTTG
GAATGGGATTAGGAATGTATCAGCTCTCCACCTGCAGAAGGAAGTGGCAGAAGTCCGTGAGCCAACCCC
AGTACACCTCTGAAAAAAGAGCCGAGGAGTGTGGCCATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3454_e03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001205243

Insert Size: 396 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).



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| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <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. |
| Note: | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| RefSeq: | <u>NM_001205243.1, NP_001192172.1</u> |
| RefSeq Size: | 1889 bp |
| RefSeq ORF: | 396 bp |
| Locus ID: | 14103 |
| Cytogenetics: | 1 69.95 cM |
| Gene Summary: | <p>Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells (PubMed:7511063). Involved in cytotoxic T-cell-mediated apoptosis, natural killer cell-mediated apoptosis and in T-cell development (PubMed:19794494, PubMed:7532682). Initiates fratricidal/suicidal activation-induced cell death (AICD) in antigen-activated T-cells contributing to the termination of immune responses (PubMed:19794494). TNFRSF6/FAS-mediated apoptosis has also a role in the induction of peripheral tolerance (PubMed:10779162). Binds to TNFRSF6B/DcR3, a decoy receptor that blocks apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 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. 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> |