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Product datasheet for MC208465

Fas (NM_007987) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fas (NM_007987) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fas
Synonyms:	AI196731; APO1; APT1; CD95; lpr; TNFR6; Tnfrsf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208465 representing NM_007987 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGTGGATCTGGGCTGTCCTGCCTCTGGTGCTTGCTGGCTCACAGTTAAGAGTTCATACTCAAGGTA CTAATAGCATCTCCGAGAGTTTAAAGCTGAGGAGGCGGGTTCGTGAAACTGATAAAAACTGCTCAGAAGG ATTATATCAAGGAGGCCCATTTTGCTGTCAACCATGCCAACCTGGTAAAAAAAAAGTTGAGGACTGCAAA ATGAATGGGGGTACACCAACCTGCGCCCCATGCACAGAAGGGAAGGAGTACATGGACAAGAACCATTATG CTGATAAATGCAGAAGATGCACACTCTGCGATGAAGAGCATGGTTTAGAGGTGGAAACAAACTGCACCCT GACCCAGAATACCAAGTGCAAGTGCAAACCAGACTTCTACTGCGATTCTCCTGGCTGTGAACACTGTGTT CGCTGCGCCTCGTGTGAACATGGAACCCTTGAGCCGTGCACAGCAACCAGCAATACAAACTGCAGGAAAC AAAGTCCCAGAAATCGCCTATGGTTGTTGACCATCCTTGTTTTGTTAATTCCACTTGTATTTATATATCG AAAGTACCGGAAAAGAAAGTGCTGGAAAAGGAGACAGGATGACCCTGAATCTAGAACCTCCAGTCGTGAA ACCATACCAATGAATGCCTCAAATCTTAGCTTGAGTAAATACATCCCGAGAATTGCTGAAGACATGACAA TCCAGGAAGCTAAAAAATTTGCTCGAGAAAATAACATCAAGGAGGGCAAGATAGATGAGATCATGCATGA CAGCATCCAAGACACAGCTGAGCAGAAAGTCCAGCTGCTCCTGTGCTGGTACCAATCTCATGGGAAGAGT GATGCATATCAAGATTTAATCAAGGGTCTCAAAAAAGCCGAATGTCGCAGAACCTTAGATAAATTTCAGG ACATGGTCCAGAAGGACCTTGGAAAATCAACCCCAGACACTGGAAATGAAAATGAAGGACAATGTCTGGA GTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/ja2138_e01.zip

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Restriction Sites:	SgfI-MluI
ACCN:	NM_007987
Insert Size:	984 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	BC061160, AAH61160
RefSeq Size:	1486 bp
RefSeq ORF:	984 bp
Locus ID:	14102
UniProt ID:	P25446
Cytogenetics:	19 29.48 cM
Gene Summary:	Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).