

Product datasheet for **MG204789**

Fas (NM_007987) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fas (NM_007987) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fas
Synonyms:	A1196731; APO1; APT1; CD95; lpr; TNFR6; Tnfrsf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204789 representing NM_007987 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTGGATCTGGGCTGTCCTGCCTCTGGTCTTGCTGGCTCACAGTTAAGAGTTCATACTCAAGGTA
CTAATAGCATCTCCGAGAGTTTAAAGCTGAGGAGGCGGGTTCGTGAACTGATAAAAACTGCTCAGAAGG
ATTATATCAAGGAGGCCATTTTGTCTGCAACCATGCCAACCTGGTAAAAAAAAGTTGAGGACTGCAAA
ATGAATGGGGTACACCAACCTGCGCCCATGCACAGAAGGAAGGAGTACATGGACAAGAACCATTATG
CTGATAAATGCAGAAGATGCACACTCTGCGATGAAGAGCATGGTTTAGAGGTGGAACAACTGCACCCCT
GACCCAGAATACCAAGTCAAGTCAAACCCAGACTTCTACTGCGATTCTCCTGGCTGTGAACACTGTGTT
CGCTGCGCCTCGTGTGAACATGGAACCCCTTGAGCCGTGCACAGCAACCAGCAATACAACTGCAGGAAAC
AAAGTCCCAGAAAATCGCCTATGGTTGTTGACCATCCTTGTGTTTAAATCCACTTGATTTATATATCG
AAAGTACCGGAAAAGAAAGTGTGGAAAAGGAGACAGGATGACCCCTGAATCTAGAACCTCCAGTCGTGAA
ACCATACCAATGAATGCCTCAAATCTTAGCTTGAGTAAATACATCCCAGAAATGCTGAAGACATGACAA
TCCAGGAAGCTAAAAATTTGCTCGAGAAAATAACATCAAGGAGGCAAGATAGATGAGATCATGCATGA
CAGCATCAAGACACAGCTGAGCAGAAAGTCCAGCTGCTCCTGTGCTGGTACCAATCTCATGGGAAGAGT
GATGCATATCAAGATTTAATCAAGGGTCTCAAAAAGCCGAATGTCGCAGAACCTTAGATAAATTTTCAGG
ACATGGTCCAGAAGGACCTTGAAAATCAACCCAGACACTGGAATGAAAATGAAGGACAATGTCTGGA
G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204789 representing NM_007987
 Red=Cloning site Green=Tags(s)

MLWIWAVLPLVLAGSQLRVHTQGTNSISESLKLRRRVRETDKNCSEGLYQGGPFCCQPCQPGKKKVEDCK
 MNGGTPTCAPCTEGKEYMDKNHYADKCRRTLCDEEHGLEVETNCTLTQNTKCKCKPDFYCDSPGCEHCV
 RCASCEHGTLEPCTATSNTNCRKQSPRNLWLLTILVLLIPLVFIYRKYRKRKCWKRRQDDPESRTSSRE
 TIPMNASNLSLSKYIPRIAEDMTIQEAKKFARENNIKEGKIDEIMHDSIQDTAEQKVQLLLCWYQSHGKS
 DAYQDLIKGLKKAECRRTLDFKQDMVQKDLGKSTPDTGNENEGQCLE

TRTRPLE - GFP Tag - V

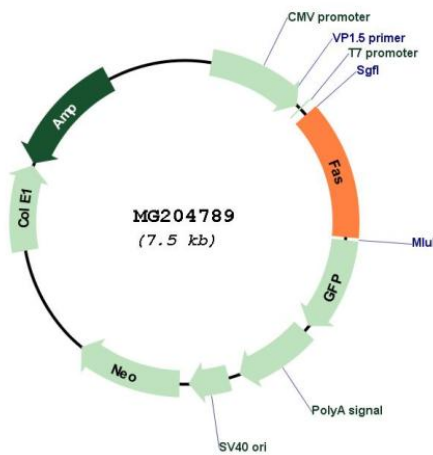
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_007987

ORF Size: 981 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_007987.2, NP_032013.2</p>
RefSeq Size:	<p>1486 bp</p>
RefSeq ORF:	<p>984 bp</p>
Locus ID:	<p>14102</p>
UniProt ID:	<p>P25446</p>
Cytogenetics:	<p>19 29.48 cM</p>
Gene Summary:	<p>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]</p>