

Product datasheet for **MG204337**

Azgp1 (NM_013478) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Azgp1 (NM_013478) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Azgp1
Synonyms:	Zag
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204337 representing NM_013478 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCTGCTCCTGCTGCCTGCCTCTCCTTCTGGGTCTGCAGTCTTTCAGGAGACTGGTCTTATT
ATCTGACTTTCTACACCGGTTGTCCAGACCCAGCAAAGTTTTCCGAGTTTCAAGCCACTGCATT
TCTCAATGACCAGGCCTTCTTCCACTACAACAGCAACAGCGGGAAGGCAGAGCCTGTGGACCTGGAGC
CAGGTGGAAGGAATGGAGGACTGGGAGAAGGAAAGCCAGCTTCAGAGGGCCAGGGAGGAGATCTTCTTG
TGACCCTGAAAGACATCATGGACTATTACAAGGACACTACAGGGTCTCACACCTTTCAGGGAATGTTTGG
TTGCGAGATCACAAATAACAGAAGTAGTGGAGCTGTCTGGAGGTATGCCTACGACGGAGAGGATTTTCATC
GAATTCACAAAGAAATCCCAGCTTGGATCCCCTTAGACCCAGCAGCTGCAAAACCAAGCTAAAGTGGG
AAGCAGAAAAGGTCTACGTGCAGCGAGCCAAGGCATACCTAGAGGAGGAGTGTCCCTGAAATGCTGAAGAG
GTACCTGAACTACAGTCGATCTCACCTGGACCGAATAGATCCTCCCACTGTGACAATCACCAGCCGTGTG
ATCCCAGGAGGAAACAGAATATTCAAATGCCTGGCCTATGGCTTCTACCCACAAAGAATTAGTCTGCACT
GGAACAAGGCCAACAAGAAGCTAGCATTGAACCAGAAAGAGGTGTTTTCCCAATGGAATGGCACTTA
CCTCTCCTGGGCAGAGGTGGAAGTCTCCCACAGGACATAGACCCCTTCTTGCCTCATAGATCACAGG
GGTTTTCCCAATCTCTCTCGTGCAGTGGGATAGGACAAGAAAAGTAAAGGATGAAAACAATGTTGTAG
CTCAGCCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204337 representing NM_013478
 Red=Cloning site Green=Tags(s)

MVPVLLSLPLLLGPAVFQETGSYYLTFLYTGLSRPSKGFPRFQATAFLNDQAFFHYNSNSGKAEPVGPWS
 QVEGMEDWEKESQLQRAREEIFLVTLKDIMDYKDTTGSHTFQGMFGCEITNNRSSGAVWRYAYDGEDFI
 EFNKEIPAWIPLDPAAANTKWKWEAEKVVYVQRAKAYLEEECEMLKRYLNYSRSHLDRIDPPTVTITSRV
 IPGGNRIFKCLAYGFYPQRI SLHWNKANKKLA FE PERGVFPNGNGTYLSWAEVEVSPQDIDPFFCLIDHR
 GFSQSLSVQWDRTRKVKDENNVVAQPQ

TRTRPLE - GFP Tag - V

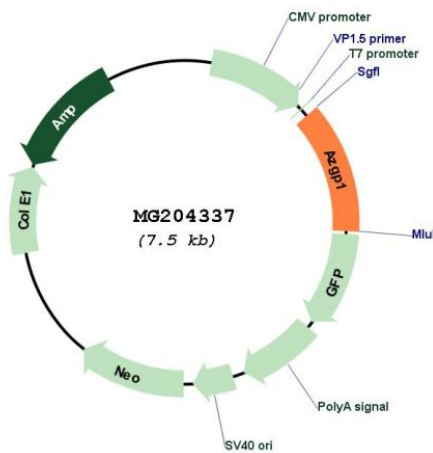
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_013478

ORF Size: 921 bp

OTI Disclaimer:	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
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).
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:	NM_013478.2 , NP_038506.2
RefSeq Size:	1315 bp
RefSeq ORF:	924 bp
Locus ID:	12007
UniProt ID:	Q64726
Cytogenetics:	5 76.92 cM
Gene Summary:	Stimulates lipid degradation in adipocytes and causes the extensive fat losses associated with some advanced cancers.[UniProtKB/Swiss-Prot Function]