

Product datasheet for **MG221664**

Gimap1 (NM_175860) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gimap1 (NM_175860) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gimap1
Synonyms:	38kD; i; IA; IAP38; Ima; imap; Imap38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221664 representing NM_175860 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGAAGGAAGATGGCAAGAGATGAGGAAGACGCCTATGGCTCAGAGGACTCCAGGGCCCCGAGA
TGCCCCAGCTGAGGCTCATCCTAGTGGCAGGACTGGGACCGCAAGAGTGCCACTGGCAACAGCATCCT
GGGTGAGAAGTGCTTCTGTCCAGGCTGGGGCGGTGCCTGTACCAGAAGTTGCACTTTGGCCAGCAGA
ATGTGGGCCGGCTGGCAGGTGGAGTGGTGACACCCCGGATATCTTCAGCTCCGAGATCCCGCGGACCG
ACCCTGGGTGCGTGGAGACAGCCGCTGCTTCGTGCTGTGCGCCCTGGGCCGCACGCGTGTGCTGGT
CACCCAGCTGGTTCGCTTACCATTGCAGGACAGCCAGGCGTGGCCGCGTGAAGCGTTATTCCGGGAA
CAGGTGATGGCGCGCACTGTCGTGGTGTTCACGCGCAAGAGGACCTGGCTGGAGACTCCCTGCAGGATT
ATGTGCACTGCACGGACAACCGCGCGTGCGGGACCTGGTGGCCGAGTGCGGGGCCGCGTGTGCGCCCT
CAACAACCGCGCCACAGGACGCGAGCGGAGGCTCAGGCTGAGCAGCTGCTGGGCATGGTTGCGTGTG
GTGAGGGAGCACGGGGCGCGCACTACTCCAATGAGGTGTATGAGCTGGTGCAGGACACGCGGTGCGCTG
ACCCCCAGGACCAAGTAGCCAAGGTGGCAGAGATAGTGGCTGAGCGCATGCAGAGGCCACCAAGTTGCT
AGCTGGGCTGTGGGATGGCGGAAATTTACTGGAAGGGCTGGAGCGTGGTTTCTGTCTTCTCTGGGT
GTGGCCATCTTGATCTACCTGCTGTTCTACAGAAAGGGCTTTGGGGACCAGAATAACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221664 representing NM_175860
 Red=Cloning site Green=Tags(s)

MGGRKMARDEEDAYGSEDSRAPQMPQLRLILVGRGTGKGSATGNSILGQKCFLSRLGAVPVTRSC TLASR
 MWAGWQVEVVDTPDIFSSSEIPRTDPGCVETARCFVLSAPGPHALLLVTLGRFTMQDSQALAAVKR LFGK
 QVMARTVVVFTRQEDLAGDSLQDYVHCTDNRALRDLVAECGGRVCALNNRATGSEREAQAEQLLGMVACL
 VREHGGAHYSNEVYELVQDTRCADPQDQVAKVAEIVAERMQRRTLLAGLWGWRKFYWKGWRRGFSVFLG
 VAILIYLLFYRKGFQDQNNR

TRTRPLE - GFP Tag - V

Restriction Sites:

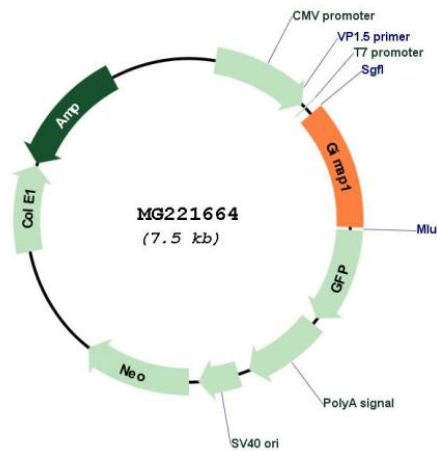
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_175860

ORF Size: 900 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_175860.1
RefSeq Size:	1499 bp
RefSeq ORF:	903 bp
Locus ID:	16205
Cytogenetics:	6 B2.3
Gene Summary:	This gene encodes a protein belonging to the GTP-binding superfamily and to the immun-associated nucleotide (IAN) subfamily of nucleotide-binding proteins. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. Sequence analysis identified two alternatively spliced variants that encode the same protein. [provided by RefSeq, Jul 2008]