

Product datasheet for **MG218413**

Ism1 (NM_001126490) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ism1 (NM_001126490) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ism1
Synonyms:	5430433G21Rik; AV354986; Ism; Isthmin; RP23-296P2.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG218413 representing NM_001126490
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCTGGCTGCGGAAGTCTCCTGCTGCTGGGGCTACTGCTGCTCACGCTGCACATCACGGTTC
 TGC GCGGATCCGGAGCCTCCGACCGGCAGGACGCGGCCGCGGCAACAATAACCTCAACCTGGAGAGTGA
 CTCACGTCAGAAACCAGCTTCTCTGTCCAAAGAAGCCCCGGAGGAGCACCAGTTGTCCACCAACCC
 TCCCCAGACAGCGATTCCCTCCAGAGACTGGACATCCTTCACTGCAGAGAGACGCCCCAGATCCTTTC
 TCCTTGACCTACCAAACCTTCCAGATCTTCCAAAGCTGATATCAATGGGAGAAATCCAAACATTAGGT
 CACCATAGAGGTGGTTGATGGCCCTGACTCCGAAGCAGAAAAAGATCAGCATCCAGAGAATAAACCCAGC
 TGGTGCCTCCAGCTCCGACTGGCGGGCCTGGTGGCAGAGGTCCTTGTCTTGGCCAGGACAAATAGTG
 GGGACCAGGATGACAAGTATGACAGTACCTCAGATGACAGCAACTTCTCAGTGTCTTAGAGGATGGGA
 CCGTCCAGCCCCAGGACACCGGACTTTTAAAACCAAAGAGCAGCCAGAGTATGATTCCACAGACGGGGAG
 GGTGATTGGAGTCTCTGGTCTGTCTGCAGCGTCACTGTGGAAATGGCAACCAGAAACCGACCCGTTCTT
 GTGGCTATGCATGCATTGCCACAGAATCCAGGACCTGTGACCGTCCAAACTGCCAGGAATTGAAGATAC
 TTTCAGGACAGCGGCCACTGAAGTGAGTCTGCTTGCGGGAAGTGAGGAGTTAATGCCACCAAGTTGTTT
 GAAGTTGACATGGACAGCTGTGAGCGATGGATGAGCTGCAAAAAGTGAGTTCTTAAAGAAATACATGCACA
 AGGTGATCAACGACCTGCCAGCTGCCCTGCTCCTACCTACTGAGGTGGCCTACAGCAGAGCTGACAT
 CTTTGACCGCATCAAGCGCAAGGACTCCGATGGAAGGATGCTAGTGGGCCAAAGAGAACTAGAGATC
 TACAAGCCTACTGCTCGGTACTGCATCCGCTCTATGCTGTCCTGGAGAGTACCACACTGGCTGCCAGC
 ACTGTTGCTATGGTGACAACATGCAGTCACTACCAGGGCAAAGGGCCAGGCACTCCCAATCTCATCAG
 CACCGAGTTCTCTGCTGAACCTCACTACAAAGTGGATGTTCTGCCCTGGATTATCTGCAAGGGTGACTGG
 AGCAGATATAATGAGGCCCGCCCTCCCAATAACGGACAGAAGTGACAGAGAGCCCTTCTGATGAGGACT
 ACATCAAACAGTTCGAAGAAGCCAGAGAGTAC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218413 representing NM_001126490
 Red=Cloning site Green=Tags(s)

MVRLAAELLLLLLGLLLLTLHITVLRGSGASDRQDAAAGNNLNLESSTSETSFP LSKEAPEEHQVVHQPF
 FPRQRFPPETGHP SLQRDGRSFLLDLPNFPDL SKADINGQNPNIQVTIEVVDGPDSEAEKDQHPENKPS
 WSLPAPDWRAWWRSLSLARTNSGDQDDKYDSTSDSNFLSVPRGWDRPAPGHRTFETKEQPEYDSTDGE
 GDWSLWSVCSVTCGNGNQKRTRSCGYACIATESRTCDRPNCPGIEDTFRTAATEVSLLAGSEEFNATKLF
 EVDMDSCERWMSCKSEFLKMYMHKVINDLPSCPCSYPTVEAYSTADIFDRIKRKDFRWK DASGPKEKLEI
 YKPTARYCIRSMLSLESTTLAAQHCCYGDNMQLITRGKAGTPNLISTEFSAELHYKVDVLPWIICKGDW
 SRYNEARPPNNGQKCTESPSDEYIKQFQEAREY

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja2275_f03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001126490

ORF Size: 1362 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

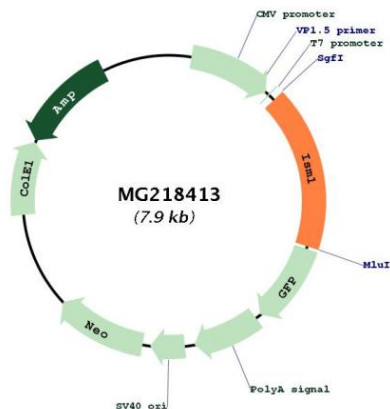
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
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_001126490.1](#), [NP_001119962.1](#)

RefSeq Size: 2944 bp
 RefSeq ORF: 1365 bp
 Locus ID: 319909
 Cytogenetics: 2 F3

Product images:



Circular map for MG218413