

Product datasheet for **MG221166**

Iglon5 (NM_001164518) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Iglon5 (NM_001164518) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Iglon5
Synonyms: A230106M20Rik; Gm1431
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221166 representing NM_001164518
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCCCTGCGCCCGGGCCCGGCTCCGGCTCCTCGCCGCCCGCCCTGGCCGGCTGGCCGTCA
TCAGCCGAGGGTTGCTGTCCCAGAGCCTGGAGTTCAGCTCACCTGCGGACAATAACAGTGTGAAGG
TGACAACGCCACCCTCAGCTGCTTCATCGATGAGCATGTGACCCGGGTAGCCTGGCTGAACCGCTCAAC
ATCCTGTATGCGGCAATGACCGTTGGACCAGTGATCCCCGGGTGCGGCTGCTCATCAACACACCCGAGG
AATTCTCCATCCTCATCACCCAGGTGGGCTTGGTGATGAGGGCCTCTACACCTGTCTCCAGACCCG
CCACCAGCCCTACACCCTCAGGTCTACCTCATGTCCATGTCCCTGCCGTATTGTGAACATCTCCTCA
CCCGTGGCAGTGAATGAAGGGGCAATGTGAACCTTCTCTGCCTGGCTGTGGGAAGGCCAGAGCCCACTG
TCACCTGGAGACAGCTCCGAGACGGTTTACCTCAGAGGGTGAGATCCTGGAAATCTCAGACATCCAGCG
GGGCCAGGCCGGGAATACGAATGCGTTACTCACACGGAGTGAACCTCGGCGCCGACAGCCGCCGTGTG
CTGGTCACAGTGAATTATCCCCGACCATCACAGATGTGACAAGCGCGCACCCGCCCTGGGCCGGGCTG
CCCTCTGCGTGTGAAGCTATGGCTGTGCCCGCGCAGATTTCCAGTGGTACAAGGATGACAGGCTGCT
AAGCAGCGTTCTGCAGAGGGCCTCAAGGTGCAGACCGAGCGCACCCGCTCTATGCTTCTTCGCCAAC
GTGAGCGCCAGGCACTATGGCAACTACACCTGCCGTGCGGCCAACCGGCTCGGAGCGTCCAGCGCCTCCA
TGCGGCTCTGCGCCAGGATCCCTGGAGAACTCAGCTCCAAGGCCTCCAGGGCCCTGACCCCTCTCTC
TGCCCTGAGCTGGCTGTGGTGGAGAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221166 representing NM_001164518
Red=Cloning site Green=Tags(s)

MPPPAPGARLRLAAAALAGLAVISRGLLSQSLEFSSPADNYTVCEGDNATLSCFIDEHVTRVAVLNRSN
 ILYAGNDRWTS DPRVRLINTPEEFSILITQVGLGDEGLYTCFSFQTRHQPYTTQVYLIVHVPARIVNISS
 PVAVNEGNNVLLCLAVGRPEPTVTWRQLRDGFTSEGEILEISDIQRGQAGEYECVTHNGVNSAPDSRRV
 LVTVNYPTITDVTSARTALGRAALLRCEAMAVPPADFWYKDDRLLSSGSAEGLKVQTERTRSMLLFAN
 VSARHYGNYTCRAANRLGASSASMRLLRPGSLENSAPRPPGPLTLLSALSWLWWRM

TRTRPLE - GFP Tag - V

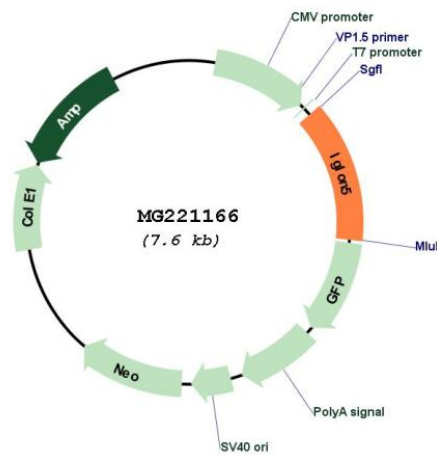
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001164518

ORF Size: 1008 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_001164518.2
RefSeq Size:	2567 bp
RefSeq ORF:	1011 bp
Locus ID:	210094
UniProt ID:	Q8HW98
Cytogenetics:	7 B3