

Product datasheet for **MG208837**

Klh123 (NM_177784) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klh123 (NM_177784) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klh123
Synonyms:	C130068N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208837 representing NM_177784
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCTAAAAGGACAAGAAGATTACATTTTTTCATTCAAGGATTCGTCGCATCCAGTGGATTTCTGG
 ATGCATTCAGAACGTTTTACATGGATGGACTATTTACTGATATTACCCTTCAGTGCCTTACGGCATAAT
 CTTCCATTGTCCACCGAGCTGTTTTAGCTGCCTGCAGCAATTATTTTAAGGCAATGTTACAGCTGACATG
 AAAGAAAAATTTAAAAGTAAAATAAACTGTGGGCATCCACCATGATATTTTGAAGGCCTTGAAATT
 ATGCATACTTCTCAAATTGAAATTAAGAGAAATGTACAGAGCCTTCTGAAGCAGCGGATCTGCT
 GCAGTTTCTTTCTGTAAGAAGGCGTGTGAGCAGTTTCTGGTCAGGCACCTGGACATTGATAACTGTATC
 GGGATGCACTCTTTGCAGAATCCATGTGTGCTCAGAAGTACAGAAAGGAATCCCGCAGGATCCTCTGCT
 CCAGGTTAAGGAAGTTGGCAGCAAGAAGAATTTCTGGAATCAGCCTTGAAGTTTCTTTTATCTT
 GTCCAGAAAGAATCTGAGTGTCTGGAAGGAAGAGGCTATCTTAGAGCCGGTCATTAAGTGGACTGCTCAC
 GATGTAGAGAATCGAATCGAATGCATCTACAACCTGCTAAGCTATATCAACATAGACATAGACCCAGTGT
 ACTTAAAGACGGCTCTAGGCCTTCAAAGAAGCTGCCTGCTAACTGAAAATAAGATACGTTCCCTAATATA
 CAATGCCTTGAATCCCATGCATAAAGAGATTTCCAGAGGTCCACAGCCACCATGTATATCATTGGAGGC
 TACTACTGGCATCCTTTATCAGAGGTCCACATATGGGACCCTTTGACAAATGTTTGGATTGAGGGAGCAG
 AAATACCAGATTATACCAGGGAGAGTTACGGTGTACCTGCTTAGGACCTAACATTTATGTGACTGGCGG
 GTACAGGACAGATAATATAGATGCTCTTGACACAGTGTGGATCTATAACAGTGAGGGAGATGAGTGGACA
 GAAGGCCTGCCATGCTCAATGCCAGGTATTACCACTGTGCAGTCACCTTGGGGGCTGTGTCTACGCAC
 TAGGTGGTTACAGGAAAGGGGCTCTGCCGAAGAGGCGGAGTTCTATGATCCTCTGAAAGAGAAGATGGCT
 TCCTATCGCAAACATGATTAAGGTGTGGGAAATGCTACTGCCTGTGCTTACATGAAGTACATCTATGTC
 ATTGGTGGCCACTGTGGCTACAGAGGAAGCTGCACCTATGACAAGGTGCAGAGCTACAATTCAGACATCA
 ACGAATGGAGCCTTATTACTGCGAGCCACACCCAGAATATGGACTGTGCTCAGTTCCATTTGAAAAACA
 GCTCTACCTAGTCGGCGGACAGACCACGATCACAGAGTGTATGACCCGGAACAGAACGAGTGGAGAGAG
 ACGGCGCCTATGATGAAAGGAGGATGGAGTGTGGGCTGTATCATGAATGGATGCATCTACGTAACCG
 GGGGCTACTCTACTCAAAGGGGACGTATCTGCAGAGTATCGAGAAATACGATCCAGATCTTAATAAGTG
 GAAATAGTGGCAATCTCCCGAGTGCCATGCGGTCTCATGGATGCGTTTGTGTATAATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208837 representing NM_177784
 Red=Cloning site Green=Tags(s)

MALKGQEDYIFHFKDSSHPVDFLDAFRTFYMDGLFTDITLQCPSGIIFHCHRAVLAACSNYFKAMFTADM
 KEKFKSKIKLSGIHHDILEGLVNYAYTSQIEITKRNVSLLLEADLLQFLSVKKACEQFLVRHLDIDNCI
 GMHSFAEFHVCSELEKESRRILCSRFEVWQEEFLEISLEKFLFILSRKNLSVWKEEAILEPVIKWTAH
 DVENRIECIYNLLSYINIDIDPVYLKLTALGLQRSCLLTENKIRSLIYNALNPMHKEISQRSTATMYIIGG
 YYWHPLSEVHIWDP LTNVWIQGAIEIPDYTRESYGVTC LGPNIYVTGGYRTDNIDALDTVWIYNSEGDEWT
 EGLPMLNARYYHCAVTLGGCVYALGGYRKGAPAEAEAFYDPLKEKWLPIANMIKGVGNATACVLHEVIYV
 IGGHCGYRGSTYDKVQSYNSDINWSLITASPHPEYGLCSVPFENKLYLVGGQTTITECYDPEQNEWRE
 TAPMMERRMECGAVIMNGCIYVTGGYSYSKGYLQSIIEKYDPLNKWEIVGNLPSAMRSHGCVCVYNV

TRTRPLE - GFP Tag - V

Restriction Sites:

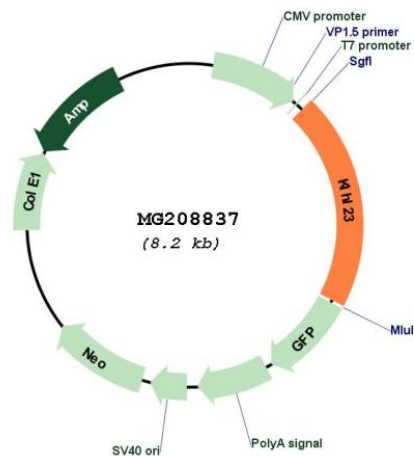
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_177784
ORF Size:	1674 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_177784.4
RefSeq Size:	4513 bp
RefSeq ORF:	1677 bp
Locus ID:	277396
UniProt ID:	Q6GQU2
Cytogenetics:	2 C2