

Product datasheet for **MG210182**

Klhl5 (BC057606) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhl5 (BC057606) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klhl5
Synonyms:	1300013C10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210182 representing BC057606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTGGTTCTCGCAAAGAGTTTGACGTGAAACAGATTTTGAAAATCAGGTGGAGGTGGTTTGGCCATC
 AAGCATCGTCTAACTCTTCCGTTGACAGCCAGCAGGGAGAATTTTGAACCGAGGACAGACCGGAGCAAA
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 TTACAGCAGAAGGCTGTGCTGGTGACACTGGCTGGAGAGACCAGAAGTGGACGATGGCACTAGTGAAGA
 GGAAAATGAATCTGATTCCAGCTCGAGCAGGACTTCCAATAGTAGTCAGACATTGTCTTCTGCCAGGCT
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 GGTGGTGAAGCCTGCTGCAAGTTCTTGATGAAGCAGCTCCACCCGTCCAAGTGCCTGGGGATTCCGTCC
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 AGTGGAGGCTTACGACCCCAAGACCAACGAATGGACCCAGGTTGCTCCGCTGTGCTAGGAAGAGCTGGA
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

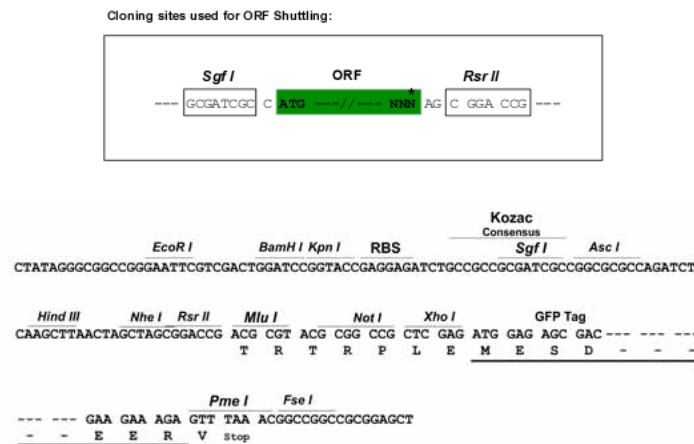
Protein Sequence: >MG210182 representing BC057606
 Red=Cloning site Green=Tags(s)

MSGSRKEFDVKQILKIRWRWFGHQASSNSSVDSQQGEFWNRGQTGANGGRKFLDPCNLQLPLASIGYRRS
 SQLDFQNSPSWPMASDVPFAFEFTAEGCAGAHWLERPEVDDGTSEEENESDSSSRTSNSSQTLSSCQA
 MEPCCSDEFFQALNHAEQTFKKMENYL RHKQLCDVILVAGDRRIPAHRLVSSVSDYFAAMFTNDVREAR
 QEEIKMEGVEPNSLSLIQYAYTGRLELKEDNIECLLSTACLLQLSQVVEACCKFLMKQLHPSNCLGIRS
 FADAQGCTDLHKVAHNYTMEHFMEVIRNQEFLVLPANEIAKLLASDDMNIPNEETILNALLTWVRHDLEQ
 RRKDL S RLLAYIRLPLLAPQFLADMENNALFRDDIECQKLIMEAMKYHLLPERRPMLQSPRTKPRKSTVG
 TLFVAVGMDSTKGATSIIEKYDLRTNMWTPVANMNGRRLQFGVAVLDDKLYVVGGRDGLKLTNTVECYNPK
 TKTWSVMPMSTHRHGLGVAVLEGPMYAVGGHDGWSYLNTERWDPQARQWNFVATMSTPRSTVGAVLS
 GKLYAVGGRDGSSCLKSVECFDPTNKWTLCAQMSKRRGGVGVTWNGLLYAIGGHDAPTSNLTSRLSDC
 VERYDPKTDVWTAVASMSVSRDAVGVCLLGDKLYAVGGYDGTLYLNIVEAYDPQTNEWTQVAPLCLGRAG
 ACVVTVKI

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: BC057606

ORF Size: 2124 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: BC057606, AAH57606

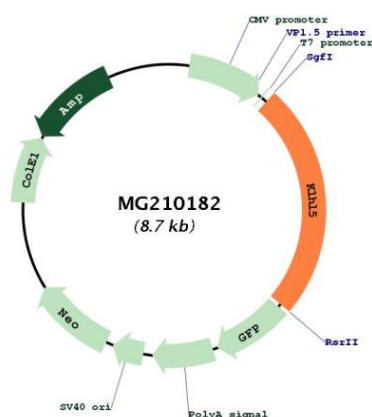
RefSeq Size: 3265 bp

RefSeq ORF: 2126 bp

Locus ID: 71778

Cytogenetics: 5 C3.1

Product images:



Circular map for MG210182