OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG214875

Gm884 (NM_001033434) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm884
Synonyms:	LRRC37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG214875 representing NM_001033434
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCATTACAGCCTTTAGATCAGGAACTCACCATGTCTTCTCAGCCTCCTGGATATACTCACCACTCTC
CAAATGCAGCGAAGACTGAAAACCATACACCAGAAAATAATTTTTTTCCTTATGCAGAACCTCCCATGGG
AATGGTAGTTCAACCTCCAGATCTGTTTTTTCTCAAAAGTACAAAATCTAATCTTGTGCAGGAAACTCCA
AGTCTGATTACAAAATCACCTAAAGAGGTTGCAGCTCACACTCTAGAATATAAGAAGAGGTTGCCTCCAG
TCCCAGTTGAGGGTCAAGCGGAGTCTCCACCACCACCCAATATATCATTACAGCCTTTGGATCAGGAACT
CACCATATCTTCTCAACCTCCGGGTTGGACTCATCACCCTCCAAATCCAAAGGAGACTAAAAACTATACA
CCAGGAAAGATTTTTCTTCATTATGCAGATACTCCCCTGGGAATGATAGTTGAACCTCCAGATCTGTTTT
TTCTCAAAACTACAACATCTGAACCTGTGCAGGAGACTCCATCTCAGATCACAAAATTGCCTAAAGAGAT
TATAGCGCAAACTTTAGAATATAAAGAGGGCTTGCTTCCAGTTCCATTTGGGGGTGAAGATGATTCTACA
ACTCCACCCAATGTTTCATTACAGCCTTTGGATCAGGAAATCATCATATCTTTTCCTTCTCTTGGACAGG
CTCAGCAACCACCAAATGTGAAGGAGAGTAAAGAACATCAGCCCGAAGAGATTCTCTTTCACAATGCAGA
ACCTTCAATGGGAACAGTAGTTGATCTAGATCTGTTTTTTCCTAAAACTATGGAATCTAAACCTGTGCAG
GAGGCCCCAACTCAGATTACCAAATCACCTAAAGAGGGTGTAGTTCAAACTCTAGAATATAAAGAGCTAG
TGGTTTCATCTATAATTGAAGGTAATGTTAAGTATGTAACACCCAATGTTTCATATCGACCTTTAGACCT
AGGGCTCTCTGAATCCTCTGGCTCCACTACCGAGGTTTATCGTTCTACTACTTTGAATGAGACTACAGTT
CCTTCTTCAATGCATCTTCAAGTCCCAATGCCACATTTGCACTCAAATTTTTCTGTAACTCAACAACCTA
ATACAATGGCTAAACATTCTTCCATAATGGAGACTCCAGCTCATCCTTCAGAGATACCTGTGGAGACTGT
AGCCCAATCTGTAGAGTATTATCCAACAATAGTTTTAACTTCAGTTTATATTGAAACTCAACATTCAAAT
TTATCAGCTATAGAAACGGCACATTCTGAAGTTCCAACAACCACAGCTCCTTATCCACAGGCTATATATT
CTGAAGTCCCAACAACTACAGGTCTTTATTCAGAGGCTACACATTTTGGAGTCTCAACAACTACAGCTGC
TTCTCCAGAGATTACACATTCTAAAGCCCCAGAGACTACAGCTCTTACTCCGAAGTGGCCTGGTACAACA
AGTCTATCTCCAGATCAGGTTGAGAAACATTCAAGCCCTACAGTTCAAGTTTTGAAAATGGAATCTACCA

View online »

TAACTCCATATTCTGAAAATTCTAGTACAGAAAATGATTTAACTATAGAAAAAAGTGCCTACAATTACAC
CAAAATATGTGACTTCTGCGTGTGTGAAAATGAGACACTGTTGTGTGTTCATCTCAGCCCAAAATGGAGA
CTCCAACAAGTGCCTGTGCCAAGGCCCAACACCTACAATGACACTTTTGTTATCTTAAATTTCAAAGGAA
ATGATATTTCTTTCATTGACAAAAATGTATGGAAGGTATACCGTTGGACTGAGAAATTAATTCTCAGCGA
AAATCACCTGACTGAATTACATAAGGAGTCATTCGAAGGCCTGCTATCCCTCCAGGTTTTGGATTTATCC
TGCAATAAAATACGCTATATTGAAAGAGGGACATTTGAACCATTACCTTTTTTGAAGTATATGAACCTTG
GGTGCAATTTACTCACGGAACTGAGCTTTGGAACATTTCAAGCATGGCATGGGATGCAGTTTTTACAGCA
GTTAATTCTCAGCCGTAATCCTCTCGCAGTTGTTGAAGATCCCTACTTTTTTAAGTTGCCAGCGTTAAAA
TATCTGGACCTGGGGACCACACAGGTGCAACTGACAACGGTTGAGAGCATCCTCATAAAGACTCTGGAGC
TGGAACATCTGATCTTACCTAGCCACATGGCCTGCTGCCTCTGCAAATTTAAAGCTGATATTGAGGTTAT
CTGCAAGACAATCAAACTGCATTGTCATACCGGATGTCTGACAAACACCACACGTTGTCTTGAAGAAGCA
TCTATAAGGAACCCAGAAGGAGCATTTATGAAAGTGTTGCAGGGCCGGACGGGGAACACCAGCACTGAGC
TCATTATTGAGCCAGAAAGGGGCAATTCAGACAAGGATTATGCCAACTATTCCAGTTCCATGGATGAAAA
CATAGACCTTAATGATGAAAATGATATTATGAGTGCACTAAATTACATACTGCCATATTTCTCAGAGGGA
AATATGGAAGACATAATATCCTCAATGTTACCGTTCATTAAACTGCTGTTTTCTCAGGAACAAGATGCAA
GTAATTCCTTGGGATCTTTGCAGAAAGACCCAGAAAGGGTTCCTGTTACAAATGAATCTAAGACCAGTAA
TGTGACTTACAAAAATAAATTGAATAAACATTATTTTTTAGAAAATTTGTTAGACACAGACACTGATGAG
GTTCAAAAGGAAAAGAAACCTGGGAGGCACAATGCAAAATCTAAAAATGTAGGTCCCAAATTTAAACGAC
AAATATTTGAAAAGAGATGGGAACCTGCCCGGGCAGGGGAAGACAGTCTTGCAGAGATCGAGAAGGCAGA
GAGACAGCTCCACAGCATGAGCAGGGTCCCCAAGGGGACAGGAAGCATACAGAAAAGGCACTTCAAGGAT
GTGAGTGGCAAGAGCCTGTGGAGCAAGCAGAGCGTCCAGACCCCTGTGGAGAGCATCTCCAAGGACAGGC
AGCTCGGGAGCCCACCCTCAATGGAGCTGCAGCAGCTCGGCCTGGAGCAGAAGCCCAGGGAGTTAGTGGG
CTATTCCTTCCCCTCAGAGCCCTTGCTCCCAAAGGAGCACAGGGGAGAGCTCTCTTCTTCCCCAGATCTG
CCCCTGCTGGACAAGGCTCCCACTACAAACTCTCTACCTGACTTCATAGACAGACGGAAAGACTTGTCTT
ACACCATTTACGTTTTAGAAAGTGCAAATGCTAATGTGAAGAGAGCGAAGGGTTCTAACCCAAGTTTACA
ACCTGAAGCGAGGCATCGGAACCTTAGGAAGAAAAAATCTCATTTCCAGTTGATTGCAAAGAGGCCGGCA
GCATCCTCTGCAGTGAGGAGCCTGATAAGTTCCCCTGCACGAGGGGTCTTTTCATCTTTAGGAGACCTGA
GGTACCCAGAAAGGCCCTTTTCAGAATTATATGTTGCTCCAGAGCCTTCTACAAAAAAACCTCTTGAAGA
AAATCGGGCTGCAACAGATAATGTTGAAGAAAATATTCTTGAACAAATTGTCACTATGCCTGAAGAAACT
ACATCAAAAAATAAATCCGCTAAGAATCCTGCTGCAGATTCTGATATACCTATACCCAATATACCAGGCT
TAATTCCACCTGTTCTGCAAACCACCAAGCCACCGTTACACTTCATTTTTGGGTCTGACTCACCCAACAA
CTTGGAAGAATTTGCTTACCCATCGCTGATGACACCAGGAGAACAGTTTGAATCTCATCTCAACCAGCAG
CTGCGGGTGCTCATCCCCAACAACGATGTGAGAAGGCTCATCTCTCACGTTATCAGGACTTTGAAGATGG
ACTGCTCTGACAGTCAAGTGCAACTGTCCTGTGCCAAGCTCATCTCCAGAACAGGCCTCCTGATGAAGCT
CCTCAGCGAGCAGCAAGATTTCAAGCTGTCCAGGGCCGACTGGGATACAGACCAGTGGAAAACTGAGAAC
TACATCAACGAAAATACAGAAACCCAAAGCAAACTGAAGAGTCTGGGACGAAGTCAGTTTGGAAAAGAAG
TCTCAGAGTTCAGCTACAATAACAAAGTCACCTTGGCGATATCTGTGACCGTCGTAGTGATAGTTTTGAT
TATCATTTTCTGTCTCATTGAGATTTGTTCCCACAGAACAAAAAAGGGAGACAAAGAAAAGCACAAATGG
AGAAAGAAATACAAGGAAAGAAAGAATAAGGAAAAATATATCTGGATAAGGTTGCCACCTCGGCTTAGAA
ATATACTCAAACTCGACAAGAAATGTGGGCATGATTTACGGGCCAATACTCAGGATAAATTATGGGAGGT
CAAGAAAAGATCCTCGGTGAAATCGTCCGCAGAATCGAGTGAAGTAGCCGAAACCCCACGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

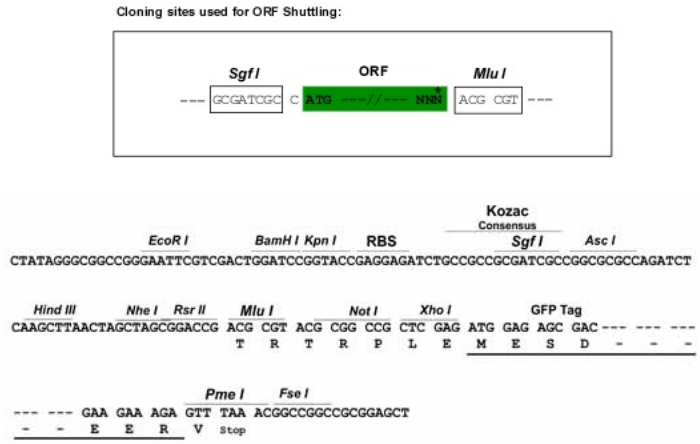
>MG214875 representing NM_001033434
Red=Cloning site Green=Tags(s)

MSLQPLDQELTMSSQPPGYTHHSPNAAKTENHTPENNFFPYAEPPMGMVVQPPDLFFLKSTKSNLVQETP
SLITKSPKEVAAHTLEYKKRLPPVPVEGQAESPPPPNISLQPLDQELTISSQPPGWTHHPPNPKETKNYT
PGKIFLHYADTPLGMIVEPPDLFFLKTTTSEPVQETPSQITKLPKEIIAQTLEYKEGLLPVPFGGEDDST
TPPNVSLQPLDQEIIISFPSLGQAQQPPNVKESKEHQPEEILFHNAEPSMGTVVDLDLFFPKTMESKPVQ
EAPTQITKSPKEGVVQTLEYKELVVSSIIEGNVKYVTPNVSYRPLDLGLSESSGSTTEVYRSTTLNETTV
PSSMHLQVPMPHLHSNFSVTQQPNTMAKHSSIMETPAHPSEIPVETVAQSVEYYPTIVLTSVYIETQHSN
LSAIETAHSEVPTTTAPYPQAIYSEVPTTTGLYSEATHFGVSTTTAASPEITHSKAPETTALTPKWPGTT
SLSPDQVEKHSSPTVQVLKMESTITPYSENSSTENDLTIEKSAYNYTKICDFCVCENETLLCVHLSPKWR
LQQVPVPRPNTYNDTFVILNFKGNDISFIDKNVWKVYRWTEKLILSENHLTELHKESFEGLLSLQVLDLS
CNKIRYIERGTFEPLPFLKYMNLGCNLLTELSFGTFQAWHGMQFLQQLILSRNPLAVVEDPYFFKLPALK
YLDLGTTQVQLTTVESILIKTLELEHLILPSHMACCLCKFKADIEVICKTIKLHCHTGCLTNTTRCLEEA
SIRNPEGAFMKVLQGRTGNTSTELIIEPERGNSDKDYANYSSSMDENIDLNDENDIMSALNYILPYFSEG
NMEDIISSMLPFIKLLFSQEQDASNSLGSLQKDPERVPVTNESKTSNVTYKNKLNKHYFLENLLDTDTDE
VQKEKKPGRHNAKSKNVGPKFKRQIFEKRWEPARAGEDSLAEIEKAERQLHSMSRVPKGTGSIQKRHFKD
VSGKSLWSKQSVQTPVESISKDRQLGSPPSMELQQLGLEQKPRELVGYSFPSEPLLPKEHRGELSSSPDL
PLLDKAPTTNSLPDFIDRRKDLSYTIYVLESANANVKRAKGSNPSLQPEARHRNLRKKKSHFQLIAKRPA
ASSAVRSLISSPARGVFSSLGDLRYPERPFSELYVAPEPSTKKPLEENRAATDNVEENILEQIVTMPEET
TSKNKSAKNPAADSDIPIPNIPGLIPPVLQTTKPPLHFIFGSDSPNNLEEFAYPSLMTPGEQFESHLNQQ
LRVLIPNNDVRRLISHVIRTLKMDCSDSQVQLSCAKLISRTGLLMKLLSEQQDFKLSRADWDTDQWKTEN
YINENTETQSKLKSLGRSQFGKEVSEFSYNNKVTLAISVTVVVIVLIIIFCLIEICSHRTKKGDKEKHKW
RKKYKERKNKEKYIWIRLPPRLRNILKLDKKCGHDLRANTQDKLWEVKKRSSVKSSAESSEVAETPR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

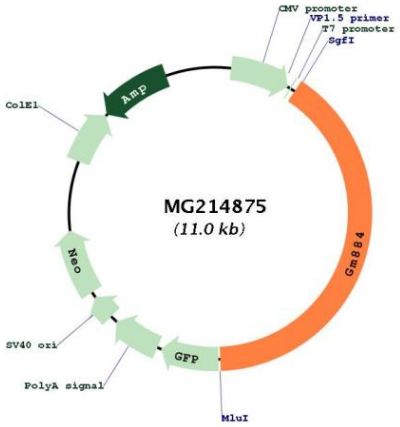


ACCN: NM_001033434

ORF Size: 4401 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:	NM_001033434.2, NP_001028606.2
RefSeq Size:	4576 bp
RefSeq ORF:	4404 bp
Locus ID:	380730
Cytogenetics:	11 E1

Product images:



Circular map for MG214875