

Product datasheet for **RG209606**

Clorf177 (LEXM) (NM_152607) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clorf177
Synonyms:	Clorf177; LEM
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG209606 representing NM_152607
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGGGAAAGCCAGGATGCCGCCGAGCTCATGGCTGGAACCGCGTCGGCTCCACGGCCACCAAGTGGT
TCACCGGGGCGCCCTTCGGGTGCAGAGCCACAGGTTTGACATCTCTGCTGTTATCCCAACTGGAAGAA
GTTACAGACCTTCACTGAGGCCCACTACCCAGCGTTATTCTACCAAGTGTCCACATAGGCCCTGGG
ACTTACAGCTCAAAGAGACCTGCTTCAGCAAGAAGAAGCTGATGAAGGAGGTGGACACAGGCTGGGCCA
AGGCCCAGGAAGCCACGCGGTGACCCAGCTACCCCACTTCCAGTACCAGGCCATCATGAAAGAGAAGCG
GCTGAAGGAGCAAAAGCTGGGCCCTGCTCCTACAACCTCAAAGACTTCTTAGAACAGCTGCGGGAGAAA
CCATGTAGCACCCGGGGCTGCTCAGCTCTGGGAGGTTGCTTCCGAGGACTCACTGGGAACACTATC
CAGGCCCTGGAATTTATGGGAGAAGGTAACCCATACACCAAGCTGGAGGAGAATGCCTGGAACCGGTC
TCATCCGAGGGCCTCATGTGAGGATGAGCAACAAGCCACACCCCGGCCTCATCAGGGGAGTGGTCTG
GGACCCGGCACCTACTTCTTCAAAAGCGACCTTGAGACATATGTGGCACGATCCGTCGGCACCCCGCGGCC
CCTATGACACTTTCTCTGGTGATCGGAGCAAGCCACTGCCTTATGGGCACTACTCCATGCAGAAAAA
GCCAGGGAAGTATGAATTTCAAGAGCTTTGTAGAAGAACTTAACACATCAATAAGAAGCATGGG
GTTTTTCTAAACTTCCCGAAACCCGAAACCCCTACAGAGAGGATTTACTGGGCCAACCTCAGCCAGT
GCCCCCGCACACTGGCCACATCTGGCCCCAGTTTCTGGCTTCCACAAGAGAAGAAATGCAAAACCCGTCAA
CCAGCCCCATTCTGTTGACCTCAAGGGGTGAGGTGCAAGGCCTGCCAGATGATTATGGGAAGCTGG
AACCCAGTAGGTGTGGCCGCTACCTCAACACCTGGCTGATGGAGACAAAGGACAGGCGGCAGCATATC
GATCCCTATTCTGAGTGGATCCAAACGCTACCTCTCAGACCTGGCCCGGACATGCTCATGCAAAATCAG
GCTGTTTTGTTGAAAGGCCTAGAAGTCATCAATTTTGGCCTCTACCAATG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



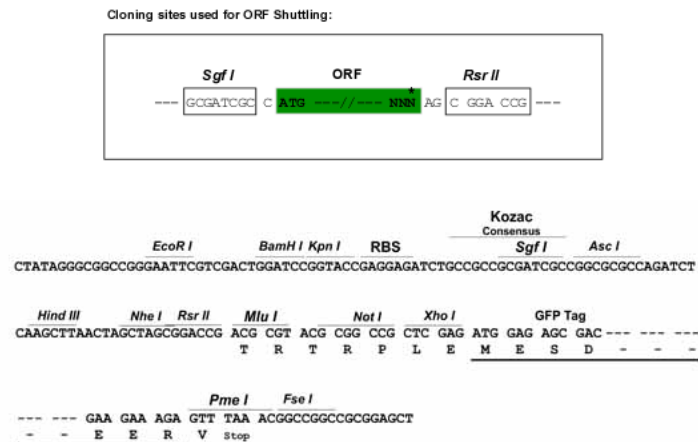
Protein Sequence: >RG209606 representing NM_152607
Red=Cloning site Green=Tags(s)

MRESQDAAGAHGWNRVGSTATKWFTGAPFGVQSHRFDISAVYPNWKKFSTFTEAPYSTRYSTQVSHIGPG
TYSSKETCFSKKKLMKEVDGTGAKAQEATRLTQLPHFYQAIMKEKRLKEQKLGPCSYNLKDFLEQLREK
PCSTRGLSSGEVRFRLTGNYYPGPGNYGEKGNPYTKLEENAWNRSHEGLMCRMSNKPMPHPRHQGSGL
GPGTYFFKSDLETYVARSVGTRGPYDTFSGDRSKPLPYGHYSMQKKPRELMNFKSFVEELNSHHNKKHG
VFSLPRNPKTPTERIYWANLSQCPRTLATSGPSFWLPQEKCKPVPNPFPFLTSKSGGAKACQMIMGSW
NPVGVGRYLNWLMETKDRRQRYRSLFLSGSKRYLSDLARDMLMQIRLFCWKGLEVINFGLSPM

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_152607

ORF Size: 1242 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_152607.1](#), [NP_689820.1](#)

RefSeq Size: 1777 bp

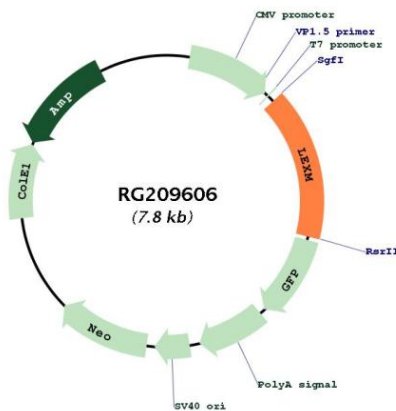
RefSeq ORF: 1245 bp

Locus ID: 163747

UniProt ID: [Q3ZCV2](#)

Cytogenetics: 1p32.3

Product images:



Circular map for RG209606