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Product datasheet for MG210886

Mogs (NM_020619) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mogs (NM_020619) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mogs
Synonyms:	1810017N02Rik; AI181835; Gcs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG210886 representing NM_020619
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCGGGGCGAGAGGCGACGGCGCGCTGCGGCCGCAGAGGGGGCGCGGCCGCTGGAGAGGGCGCGGG
CGGCGGGCCGGCGGGATGGCAGGGCTGGTGGGGCGCGGGGCTCGGCGAGCGGCGCGGCCCTGGCCGTGGT
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ACACTGCACCCCGCGCCGTCTGCGCTGCCGCCGGACTCCTCCAGTCCTGCCGTGGCCCCGGAACTCTTCT
GGGGCACCTACCGCCCACACGTCTATTTCGGCATGAAGACTCGCAGCCCCAAACCACTGCTCACAGGACT
GATGTGGGCACAGCAAGGCGCCACCCCGGGGACCCCTCCTAAGCTCAGGCACACGTGTGAACAGGGAGAC
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GCCAGAGCCCGAGTGCCCCCAGAATTCCTAGTGCAACGGGCAGCCCATGCCAACCCCCCAACCCTGCTCC
TGCCAGTCGTACACATGCTAGAAGGCCATGACCCTGATGATTTGGCCTTTCTCCGCAAGGCTTTCCCCCG
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AGCAATACCAGGCTACCGGATTTCTGTGGGAGCAGTACAGTGACCAGGATGGGCGGGGCATGGGCTGCCG
CCCCTTCCAAGGATGGACCAGTCTTGTCTTACTGATCATGGCTGAAGAGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

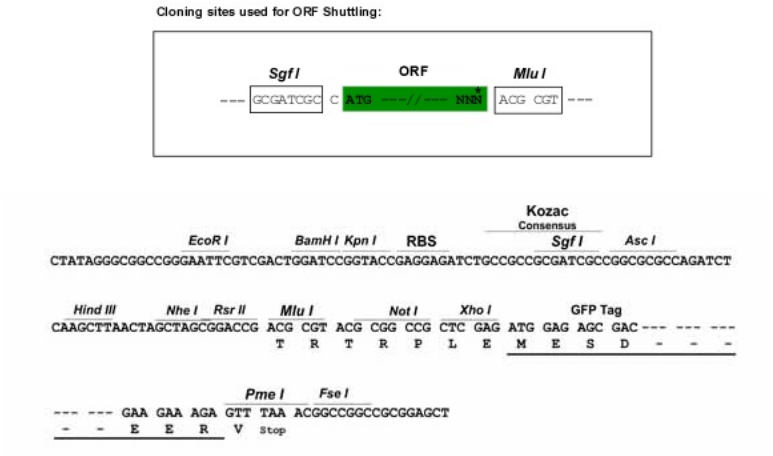
>MG210886 representing NM_020619
Red=Cloning site Green=Tags(s)

MARGERRRRAAAAEGARPLERARAAGRRDGRAGGARGSASGAALAVVVLALAFGLSGRWVLAWLRVRRAL
TLHPAPSALPPDSSSPAVAPELFWGTYRPHVYFGMKTRSPKPLLTGLMWAQQGATPGTPPKLRHTCEQGD
GVGPYGWEFHDGRTFGRQHIHDGALRLTTEFVKRPGGQHGGDWSWRVTVEPQASGTPSFPLVSLFFYVVT
DGQEVLLPEIGAKGQLKSISGHTSELGDFRLTLLPPTSPGDTVPKHGSYNVFWSSNPGLPQLTDMVKSRL
NSWFQHRPPGASPDRYLGLPGSLKWEERGPSGQGQFLIQQVTLKAPFSVEFVFESGSAATGGNQASGRLV
GSQLTQALESHAAAFKERFEKTFQLKEKGLSPEEQALGQVALSGLLGGIGYFYGQGLVLPDTSMEGSEQK
MDPALFPPVPLFSGVPSRSFFPRGFLWDEGFHQLVVQRWDPHLTREALGHWLGLLNADGWIGREQILGDE
ARARVPPEFLVQRAAHANPPTLLLPVVHMLEGHDPDDLAFLRKAFPRLHAWFSWLHQSQAGPVPLSYRWR
GRDLALPTLLNPKTLPSGLDDYPRASHPSTAERHLDLRCWVALGARVLSQLAEQLGETEAAAELGPLAAS
LEEPGSLDELHWAPELGVFADFGNHTKAVQLKSRPPQGLVRVVGRPPPRLQYVDALGYVSLFPLLLQLLD
PSSPRLGPLLDVLADSRHLWSPFGLRSLSASSLFYKQRNTEHDPPYWRGAVWLNINYLALGALHHYGHVE
GPHKVQAAKLYHELRANVVRNVRQQYQATGFLWEQYSDQDGRGMGCRPFQGWTSLVLLIMAEEY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

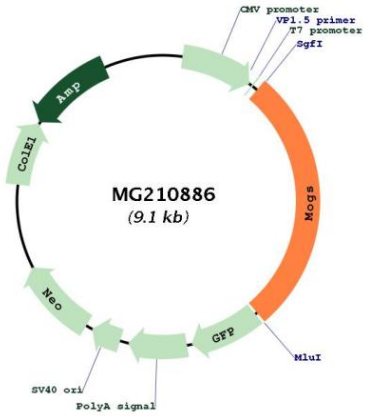
Cloning Scheme:



ACCN:	NM_020619
ORF Size:	2502 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.
RefSeq:	NM_020619.3
RefSeq Size:	2798 bp
RefSeq ORF:	2505 bp
Locus ID:	57377
UniProt ID:	Q80UM7
Cytogenetics:	6 C3
Gene Summary:	Cleaves the distal alpha 1,2-linked glucose residue from the Glc(3)Man(9)GlcNAc(2) oligosaccharide precursor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210886