

Product datasheet for **MG217804**

Man2a1 (NM_008549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2a1 (NM_008549) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Man2a1
Synonyms:	Mana-2; Mana2; Map-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217804 representing NM_008549 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTTAAGTCGCCAGTTACCGTGTTGGCAGCGCGATCTTCTGCGTCGTAATCTTCTCACTCTACC
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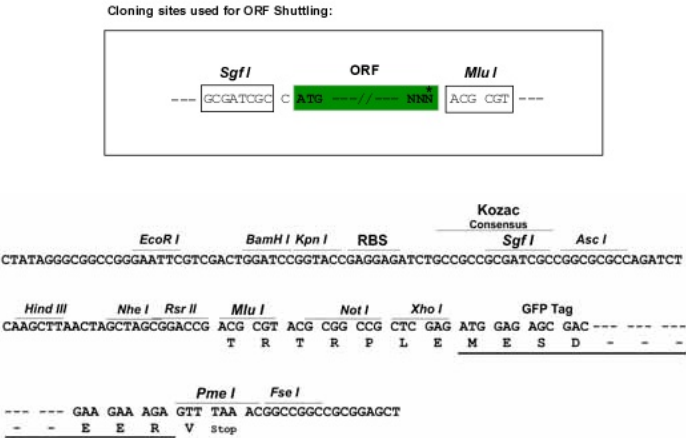
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG217804 representing NM_008549
 Red=Cloning site Green=Tags(s)

MKLSRQFTVFGSAIFCVVIFSLYLMLDRGHLDPGRPRQEGSFPGQLSILQEKIDHLERLLAENNEIIS
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TRTRPLE – GFP Tag – V

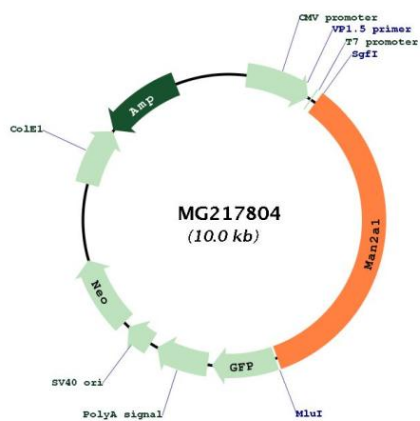
Restriction Sites: SgfI-MluI
 Cloning Scheme:



ACCN: NM_008549
 ORF Size: 3450 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_008549.2 , NP_032575.2
RefSeq Size:	6091 bp
RefSeq ORF:	3453 bp
Locus ID:	17158
UniProt ID:	P27046
Cytogenetics:	17 E1.1
Gene Summary:	Catalyzes the first committed step in the biosynthesis of complex N-glycans. It controls conversion of high mannose to complex N-glycans; the final hydrolytic step in the N-glycan maturation pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217804