

Product datasheet for **MG217981**

Nat8f2 (NM_053096) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nat8f2 (NM_053096) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nat8f2
Synonyms:	Cml2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217981 representing NM_053096 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTTATCACATCCGACAGTACCAGGAGAAGGACCACAAAAGGGTCCTGGAATTGTTCTCCAGCG
GCATGAAGGAGCTTATTCTGCTGCCATCCGACAGATGCTGACACTGCCTCATTCTCTTGCTCTTACC
TGGAGTGCCTGTGACCATAGTATTGATGTCTGCCTCCTGGCTCCTGGCCACATTATACAGTTCTCTTT
CTCCTTTGCCTGTGGCTATTTTCTGGATTCTTGCAGAAATTATGTGGCTAAAAGTTTGCAGGCAGATC
TTGCTGACATACCAAGTCTTACCTGAATGCACATGGCTCCTTCTGGGTGGCTGAGTCTGGAGACCAGGT
AGTTGGCATGGTGGGTGCTCAGCCAGTCAAGGACCCTCCATTAGGGAAGAAGCAGATGCAGCTCTTTTCGC
CTGTCTGTGTCTCACAGCATCGAGGACAGGGAATAGCAAAGGCACTGGTCAGAACTGTCCTCCAGTTTG
CTCGGGACCAGGGTTACAGTGATGTTGCTTGTGAGTGGCAGTGTGCAACATAGTGCTCAGGCTCTCTA
CCAGGCCATGGGCTTCCAGAAGACAGGCCAGTACTTTGTGAGTATAAGCAAGAAGTTAATGGGTCTTTCT
ATTCTTCAATTCTTACTCTCTCCCTTTGCTTCAGGACCAGGTATAGTGGGAAATATTTAAAAAAG
GTCCCATTCATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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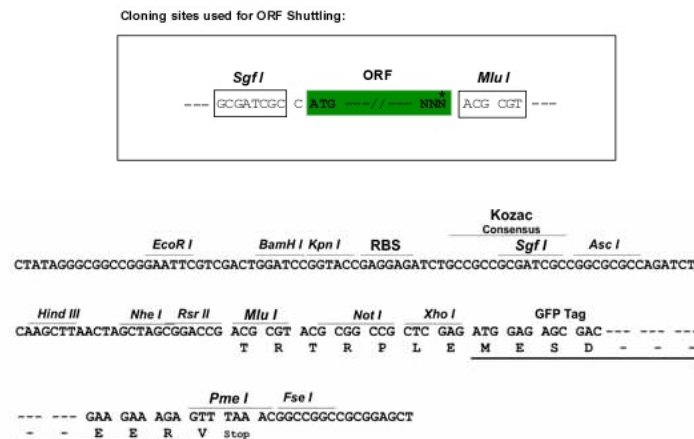
Protein Sequence: >MG217981 representing NM_053096
 Red=Cloning site Green=Tags(s)

MAAYHIRQYQEKDHRVLELFSSGMKELIPAAIRQMLTLPHSLLLLPGVPVTIVLMSASWLLATLYSFLF
 LLCLWLIFWISCRNYVAKSLQADLADITKSYLNAHGSFWVAESGDQVVGVMVGAQPVKDPPLGKKQMLFR
 LSVSSQHRGQGIKALVRTVLQFARDQGYSDVVLETGSVQHSQAQALYQAMGFQKTGQYFVSISKLMGLS
 ILQFSYSLPFASGPGYSGKYLKKGPIPC

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053096

ORF Size: 714 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_053096.3](#), [NP_444326.2](#)

RefSeq Size: 3280 bp

RefSeq ORF: 717 bp

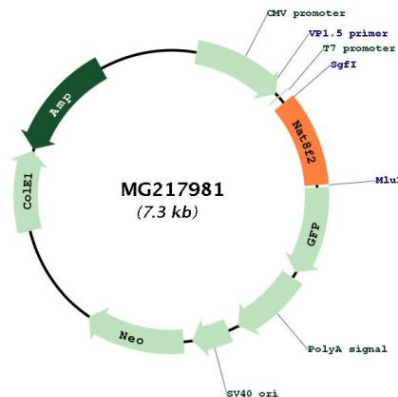
Locus ID: 93673

UniProt ID: [Q8CHQ9](#)

Cytogenetics: 6 C3

Gene Summary: Probable acetyltransferase (Probable). Has no detectable histone acetyltransferase activity towards histone H3 or H4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217981