

Product datasheet for **MR220084**

F8a (NM_007978) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F8a (NM_007978) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F8a
Synonyms:	AI852759; DXUcsf1; F8a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220084 representing NM_007978 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCGGGCTCTGCGTCCTCCTTGGGCGGCGGTGCCTGGCCAGGCTCAGAGGCTGGGGACTTCTTGG
CACGCTATCGGCAGGTGTCCAACAAGCTCAAGAAGCGCTTCTTGAGGAAGCCGAACGTGGCCGAGGCCGG
GGAGCAGTTGCCCAGCTAGCCCGGAGCTGCGCGCCAGGAGTGCCTGCCTTATGCTGCCTGGTGCCAG
CTGGCTGTGGCGCTGCCAGCAGGCGCTTCCATGGGCCCGGGAAGCGCTGGCCCTCACAGAGGCGG
CCCGACTTTTCTGCGGCAGGAGTGCAGCGCGCCAACGCTTGGGCTGTCCCGCCGCTACGGGGAGCC
TCTGCAGGCGGCCGCGCAGCGCCCTCGGGCGCGCTGTGCGCTTGACCTCGAGCTCGGCCAGCCTGCCGCC
GCTGCTGCACTGTGCCTGGAAGTACTGCTGCCCTTCGCGCAGTGGGCCAGCCGCGCGCTGCTGCCGGT
ACTTTCAGCGGGCTGCCAGCTGCACCTGCCCTGATGCCACTGGCCGCACTGCAAGCGCTTGGTGATGC
TGCTCCTGCCAGCTGTTGGCGCGGACTACACAGGCGCCCTGGCGCTATTTACACGCATGCAACGCCTG
GCACGGGAGCATGGGGGCCACCCGTTACAGCAACTCGAGCTGCTGCCGAGCCGCTTCTGGGCCCCAGC
CACCCCTGTGGGACCCAGCCGAGACCTGTCTTGGGCTCGACCTTGCCCTCCCGCAGCCCCGGACCA
CGCCCCAGGCTCTGTTGCGCTTCACTGGCACACTCGGTGCCTTGTGACGTCTAGTCAGGTGTGAG
GTGTCCCGTGTACTGCTGCTGCTCCTGCAACCACCTGCCAAGCTGCTGCCGAGCATGCCAGA
CCCTGGAGAAGTACTCCTGGGAGGCTTTCGATGGCCATGGCCAGGATACCAGCGGCCAGCTTCTGAGGA
GCTGTTTCTGTTATTGCACTCTGTGTCATGGCTGCCAAGAAAAGGACACTGAAGGCATCAAGAAAGCTG
CAGGTGGAGATGTGGCCACTGCTAACCGCTGAGCAGAACCACCTCCTCCACCTCGTTCTGCAGAAACCA
TCTCTCCTCTGGACAGGGTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR220084 representing NM_007978
 Red=Cloning site Green=Tags(s)

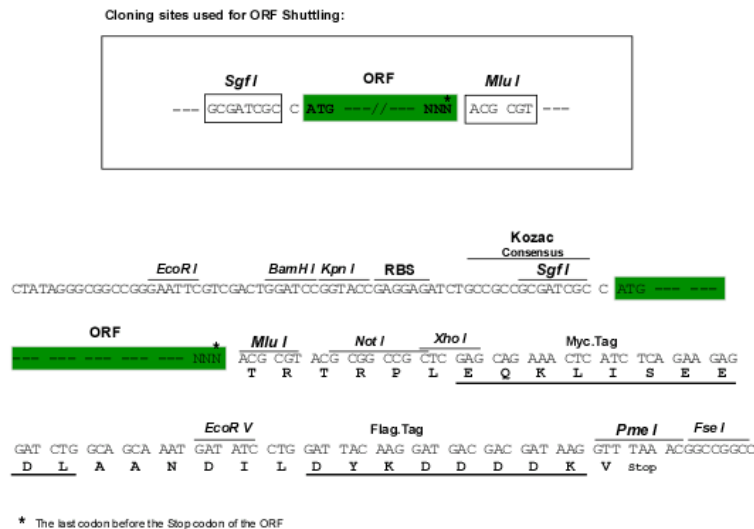
MAAGSASSLGGGAWPGSEAGDFLARYRQVSNLKKRFLRKNVAEAGEQFAQLARELRAQECLPYAAWCQ
 LAVARCQALFHGPGEALALTEAARLFLRQECDARQLGCPAAYGEPLQAAASALGAAVRLHLELGQPAA
 AAALCLELAAALRAVGQPAAGHFQRAAQLHLPLMPLAALQALGDAASCQLLARDYTALALFTRMQR
 AREHGGHPVQLELLPQPPSGPQPLSGPQPRPVLGSTLPLPQPPDHAPGSVAPSPGTLGAFADVLVRCE
 VSRVLLLLLLQPPPAKLLPEHAQTLEKYSWEAFDGHGQDTSGQLPEELFLLLQSLVMAAQEKDTEGIKKL
 QVEMWPLLTAEQNHLLHLVLQETISPSGQGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9088_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007978

ORF Size: 1143 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_007978.3](#), [NP_032004.2](#)

RefSeq Size: 2490 bp

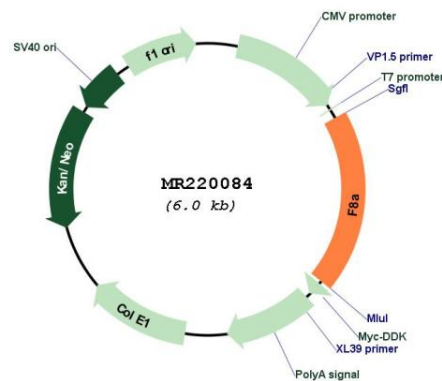
RefSeq ORF: 1146 bp

Locus ID: 14070

Cytogenetics: X 37.29 cM

MW: 40.5 kDa

Product images:



Circular map for MR220084