

Product datasheet for **MR202213**

Fn3k (NM_001038699) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fn3k (NM_001038699) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fn3k
Synonyms: 2310074G21Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR202213 representing NM_001038699
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCAGCTGCTGCGCGCCAGCTTACACCACAACACTGCGGGCCTTTGGGAGCTCCGGAGGGGGCT
GCATCAGCGAGGGCTATGCCTACTACACTGACAGTGGCCCGTGTGGTCAAGGTCAATCGCAGGACACA
GGCCCGCAGATGTTTGGGGAGAGATGGCGAGCCTGGAGGCCCTCCGCAACACTGGCTTGGTGC GGTT
CCTAAGCCATGAAGGTGATTGACTTGCCAGGAGGTGGGGCTGTCTTTGTGATGGAGCACTGAAGATGA
AGAGCCTTAGCAGTCAGGCATCAAAGCTCGGGGAACAGATGGCAGACCTGCACCTTTACAATCAGAAGCT
CAGGGAGAAGTCCAAGACTCGGCAGAACACAGTGGGCTGTGGGGCGGAGGGTGTGAGCCCCAGGGTGTG
ACCAAGTTTGGCTTTCACACAGTGACATGCTGTGGCTTATCCCACAGGTGAGTGTAGAGTGGGGGCAT
CCTCTCGGGGACCCCTCACTTAGTGAGGACCATTCCTGAAGCTCTGGTGTAGCCACTGACCCATTGTG
TGCCACAGAGTGCCAGTTCTCCAGACACCAGGACGCTCAGTTTCTGAAGGTAGAGTGTAGTCTG

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

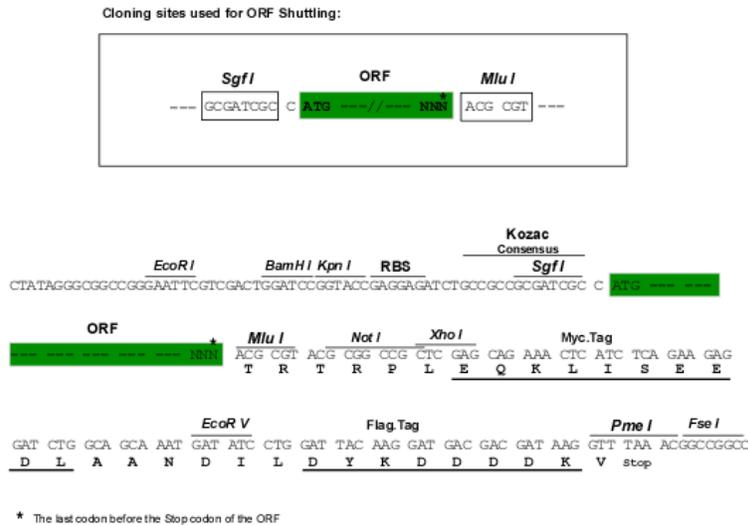
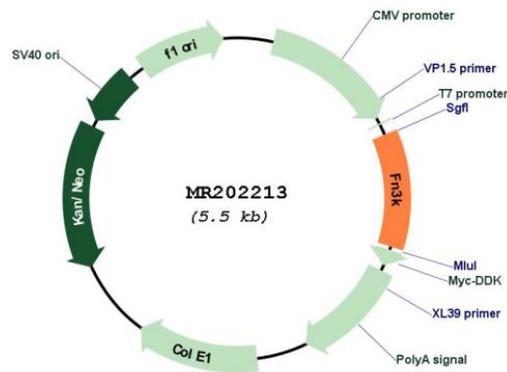
Protein Sequence: >MR202213 representing NM_001038699
Red=Cloning site Green=Tags(s)

MEQLLRAQLHTTTLRAFSSGGGCISEGYAYYTDSPVFKVNRRTQARQMFEGEMASLEALRNTGLVRV
PKPMKVIDLPGGAVFVMEHLKMKSLSSQASKLGEQMDLHLYNQKLREKSKTRQNTVCGAEGAEPQGV
TKFGFHTVTCGFIPQVSVRVGASSRPHLVRTIPEALVLATDPLCATECFSRHQDAQFLKVECSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001038699

ORF Size: 624 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_001038699.2](#), [NP_001033788.1](#)

RefSeq Size: 3882 bp

RefSeq ORF: 627 bp

Locus ID: 63828

Cytogenetics: 11 E2

MW: 23.1 kDa

Gene Summary: May initiate a process leading to the deglycation of fructoselysine and of glycated proteins. May play a role in the phosphorylation of 1-deoxy-1-morpholinofructose (DMF), fructoselysine, fructoseglycine, fructose and glycated lysozyme (By similarity).
[UniProtKB/Swiss-Prot Function]