

Product datasheet for **MG202213**

Fn3k (BC054374) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fn3k (BC054374) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fn3k
Synonyms: 2310074G21Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202213 representing BC054374
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCAGCTGCTGCGCGCCAGCTTCACACCACAACACTGCGGGCCTTTGGGAGCTCCGGAGGGGGCT
GCATCAGCGAGGGCTATGCCTACTACACTGACAGTGGCCCGTGTGTCAAGGTCAATCGCAGGACACA
GGCCCGCAGATGTTTGGGGAGAGATGGCGAGCCTGGAGGCCCTCCGAACACTGGCTTGGTGC GGTT
CCTAAGCCATGAAGGTATTGACTTGCCAGGAGGTGGGGCTGTCTTTGTGATGGAGCACTGAAGATGA
AGAGCCTTAGCAGTCAGGCATCAAAGCTCGGGGAACAGATGGCAGACCTGCACCTTTACAATCAGAAGCT
CAGGGAGAAGTCCAAGACTCGGCAGAACACAGTGGGCTGTGGGGCGGAGGGTGTGAGCCCCAGGGTGTG
ACCAAGTTTGGCTTTCACACAGTGACATGCTGTGGCTTTATCCCACAGGTGAGTGTAGAGTGGGGCAT
CCTCTCGGGGACCCCTCACTTAGTGAGGACCATTCTGAAGCTCTGGTGTAGCCACTGACCCATTGTG
TGCCACAGAGTGCCAGTTCTCCAGACACCAGGACGCTCAGTTTCTGAAGGTAGAGTGTAGTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202213 representing BC054374
Red=Cloning site Green=Tags(s)

MEQLLRAQLHTTTLRAFGSSGGGCISEGYAYYTDSGPVFKVNRRTQARQMFEGEMASLEALRNTGLVVR
PKPMKVIDLPGGGAVFVMEHLKMKSLSSQASKLGEQADLHLYNQKLREKSKTRQNTVGGAEAEPOGV
TKFGFHTVTCGFIPQVSVRVGASSRGPPLVRTIPEALVLATDPLCATECQFSRHQDAQFLKVECSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: BC054374

ORF Size: 626 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: [BC054374](#), [AAH54374](#)

RefSeq Size: 3863 bp

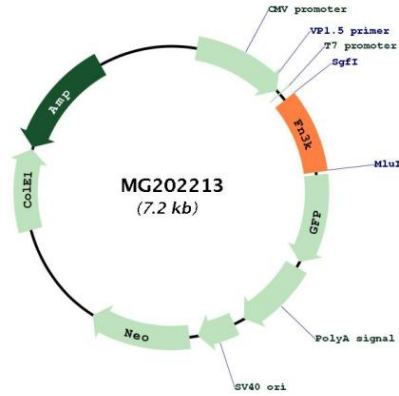
RefSeq ORF: 626 bp

Locus ID: 63828

Cytogenetics: 11 E2

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]

Product images:


Circular map for MG202213