

Product datasheet for **RG206432**

FN3K (NM_022158) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FN3K (NM_022158) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FN3K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206432 representing NM_022158 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCAGCTGCTGCGCGCCGAGCTGCGCACCGCGACCCTGCGGGCCTTCGGCGGCCCGGCGCCGGCT
GCATCAGCGAGGGCCGAGCCTACGACACGGACGCAGGCCAGTGTTCGTCAAAGTCAACCGCAGGACGCA
GGCCCGGCAGATGTTTGAGGGGGAGGTGGCCAGCCTGGAGGCCCTCCGGAGCACGGGCCTGGTGCGGGTG
CCGAGGCCCATGAAGTCATCGACCTGCCGGGAGGTGGGGCCGCTTTGTGATGGAGCATTGAAGATGA
AGAGCTTGAGCAGTCAAGCATCAAAACTTGGAGAGCAGATGGCAGATTTGCATCTTACAACCAGAAGCT
CAGGGAGAAGTTGAAGGAGGAGGAGAACACAGTGGGCCGAAGAGGTGAGGGTGTGAGCCTCAGTATGTG
GACAAGTTCGGCTTCCACACGGTGACGTGCTGCGGCTTCATCCCAGGTTGAATGAGTGGCAGGATGACT
GGCCGACCTTTTTCGCCCGGCACCGGCTCCAGGCGCAGCTGGACCTCATTGAGAAGGACTATGCTGACCG
AGAGGCACGAGAACTCTGGTCCCGGCTACAGGTGAAGATCCCAGGATCTGTTTTGTGGCCTAGAGATTGTC
CCCGGTTGCTCCACGGGATCTCTGGTCGGGAAACGTGGCTGAGGACGACGTGGGGCCATTATTTACG
ACCCGGCTTCTTCTATGGCCATCCGAGTTTGAAGTGGCAATCGCCTTGATGTTTGGGGGTTCCCGAG
ATCCTTCTTACCAGCCTACCACCGAAGATCCCAAGGCTCCGGGCTTCAGCAGCGGCTGCTGCTCTAC
CAGCTGTTAACTACCTGAACCACTGGAACCACTTCGGGGGGAGTACAGGAGCCCTTCGTTGGGCACCA
TGCGAAGGCTGCTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206432 representing NM_022158
 Red=Cloning site Green=Tags(s)

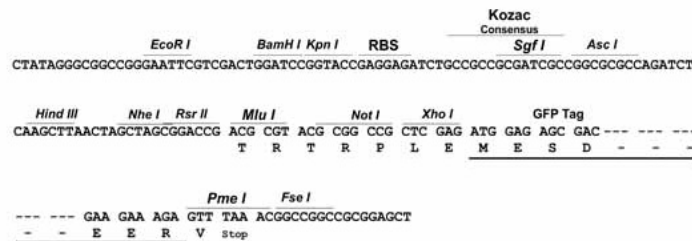
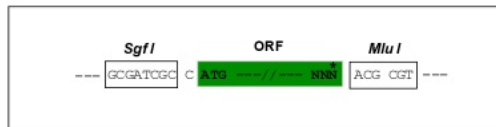
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MEQLLRAELRTATLRAFGGPGAGCISEGRAYDTDAGPVFVKVNRRTQARQMFEGEVASLEALRSTGLVRV
PRPMKVIDLPGGGAAFVMEHLKMKSLSSQASKLGEQADLHLVYQKLREKLKEEENTVGRRGEGAEPQYV
DKFGEHTVTCCGFIPQVNEWQDDWPTFFARHRLQAQLDLIEKDYADREARELWSRLQVKIPDLFCGLEIV
PALLHGDLWSGNVAEDDVGPIIYDPASFYGHSEFELAIALMFGGFP RSFF TAYHRKIPKAPGFDQRLLLY
QLFNYLNHWNHFGREYRSPSLGTMRRLLK
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_022158

ORF Size: 927 bp

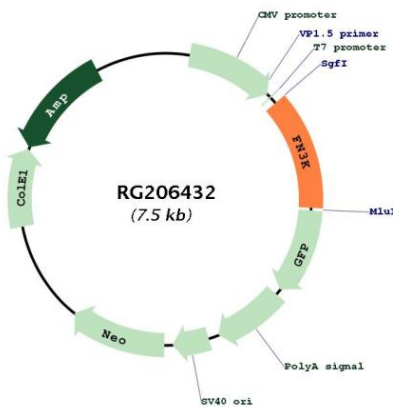
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none">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_022158.2 , NP_071441.1
RefSeq Size:	1466 bp
RefSeq ORF:	930 bp
Locus ID:	64122
UniProt ID:	Q9H479
Cytogenetics:	17q25.3
Domains:	Fructosamin_kin
Protein Families:	Druggable Genome
Gene Summary:	A high concentration of glucose can result in non-enzymatic oxidation of proteins by reaction of glucose and lysine residues (glycation). Proteins modified in this way, fructosamines, are less active or functional. This gene encodes an enzyme which catalyzes the phosphorylation of fructosamines which may result in deglycation. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG206432