

Product datasheet for **MG204379**

Fn3krp (NM_181420) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fn3krp (NM_181420) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fn3krp
Synonyms:	FN3K-RP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204379 representing NM_181420 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGACCCCTGCTTAAGCGGGAGCTGGGCTGCAGCTCGGTCAAAGCTACGGGTCACTCGGGAGGCGGGT
GCATTAGCCAGGGCCAGAGTTATGACACGGACAAAGGACGAGTGTGTTGTGAAAGTGAACCCAAGGCAGA
GGCTAGAAGAATGTTTGAGGGTGAGATGGCAAGCTTAAGTCCATTCTGAAGACGGGTACAGTCAAGGTA
CCTAAGCCCATCAAGTTGTCGATGCCCCAGGAGGTGGGAGCATGCTCGTGATGGAGCATTGGACATGC
GGTATCTGAGCAGTCATGCCACCAAGCTTGGGACCCAGCTTGAGATCTACACCTTGAGAACAAAGAGGCT
TGGAGAGAGGCTGCTAAAGGAGGCTGGCACTGTGGGAAAGGAGGTGAACAGGCAGAGCGGCAGTATGTG
GACCAGTTTGGGTTTGATGTAGTGACATGCTGTGGATACCTCCCCAGGTAAATGACTGGCAGAAGAATT
GGGTGCAATTCTATGCCAGGCAGCGCATTAGCCCCAGATGGACATGGTGGAGAAGAAGTCTGGGACCG
GGAAGCTCTTGAGCTGTGGTCTGCTCTGCAGTTGAAGATTCCTGACCTGTTCCGTGATCTGGAAATTGTG
CCCGCCTTACTCCATGGAGACCTCTGGGAGGGAATGTAGCAGAAGATTCCTCTGGGCCCATCATTTTGTG
ACCCAGCATCCTTCTATGGACACTCAGAATATGAGCTGGCAATAGCGGCATGTTTGGCGGCTTCAGTAG
CTCCTTTTACTCTGCATACCACAGCAAAATCCCTAAAACCCAGGATTTGAGAAGCGCTTACAGTTGTAT
CAGCTCTTTCATATCTGAACCACTGGAATCATTTGGATCTGGGTACAGGGGATCCTCTCTAAACATAA
TGAGGAATCTCAGCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204379 representing NM_181420
 Red=Cloning site Green=Tags(s)

METLLKRELGCSSVKATGHSGGGCISQGGSYDTDKGRVFKVNSKAEARRMFEGEMASLTAILKTGTVKV
 PKPIKVVDAPGGGSMVMHLDMRYLSSHATKLGTQLADLHLENKRLGERLLKEAGTVGKGGEQAERQYV
 DQFGFDVVTCCGYLPQVNDWQKNWVEFYARQRIQPMVMVEKKSGDREALELWSALQLKIPDLFRDLEIV
 PALLHGDLWGGNVAEDSSGPIIFDPASFYGHSEYELAIAGMFGGFSSTFYSAHISKIPKTPGFKEKRLQLY
 QLFHYLNHNHFGSGYRGSSLNIMRNLSK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181420

ORF Size: 927 bp

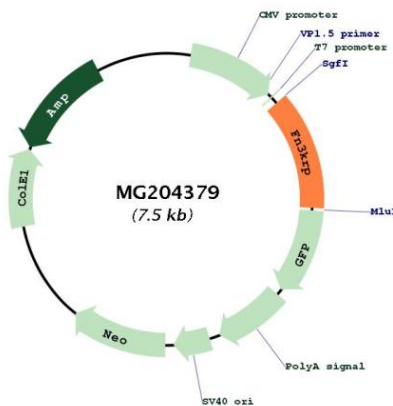
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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:	<u>NM_181420.3, NP_852085.2</u>
RefSeq Size:	2028 bp
RefSeq ORF:	930 bp
Locus ID:	238024
UniProt ID:	<u>Q8K274</u>
Cytogenetics:	11 E2
Gene Summary:	Phosphorylates psicosamines and ribulosamines, but not fructosamines, on the third carbon of the sugar moiety. Protein-bound psicosamine 3-phosphates and ribulosamine 3-phosphates are unstable and decompose under physiological conditions. Thus phosphorylation leads to deglycation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204379