

Product datasheet for **MR204379**

Fn3krp (NM_181420) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fn3krp (NM_181420) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fn3krp
Synonyms:	FN3K-RP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204379 representing NM_181420 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGACCTGCTTAAGCGGGAGCTGGGCTGCAGCTCGGTCAAAGCTACGGGTCACTCGGGAGGCGGGT
 GCATTAGCCAGGGCCAGAGTTATGACACGGACAAAGGACGAGTGTGTTGTGAAAGTGAACCAAGGCAGA
 GGCTAGAAGAATGTTTGGGGTGGATGGCAAGCTTAAGTCCATTCTGAAGACGGGTACAGTCAAGGTA
 CCTAAGCCCATCAAGTTGTCGATGCCCCAGGAGGTGGGAGCATGCTCGTGATGGAGCATTGGACATGC
 GGTATCTGAGCAGTCATGCCACCAAGCTTGGGACCCAGCTTGAGATCTACACCTTGAGAACAAAGAGGCT
 TGGAGAGAGGCTGCTAAAGGAGGCTGGCACTGTGGGAAAGGAGGTGAACAGGCAGAGCGGCAGTATGTG
 GACCAGTTTGGGTTTGATGTAGTGACATGCTGTGGATACCTCCCCAGGTAATGACTGGCAGAAGAATT
 GGGTCGAATTCTATGCCAGGCAGCGCATTAGCCCCAGATGGACATGGTGGAGAAGAAGTCTGGGACCG
 GGAAGCTCTTGAGCTGTGGTCTGCTCTGCAGTTGAAGATTCCTGACCTGTTCCGTGATCTGGAAATTGTG
 CCCGCCTTACTCCATGGAGACCTCTGGGAGGGAATGTAGCAGAAGATTCCTCTGGGCCCATCATTTTGTG
 ACCCAGCATCCTTCTATGGACACTCAGAATATGAGCTGGCAATAGCGGCATGTTTGGCGGCTTCAGTAG
 CTCCTTTTACTCTGCATACCACAGCAAAATCCCTAAAACCCAGGATTTGAGAAGCGCTTACAGTTGTAT
 CAGCTCTTTCATATCTGAACCACTGGAATCATTTGGATCTGGGTACAGGGGATCTCTCTAAACATAA
 TGAGGAATCTCAGCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >MR204379 representing NM_181420
 Red=Cloning site Green=Tags(s)

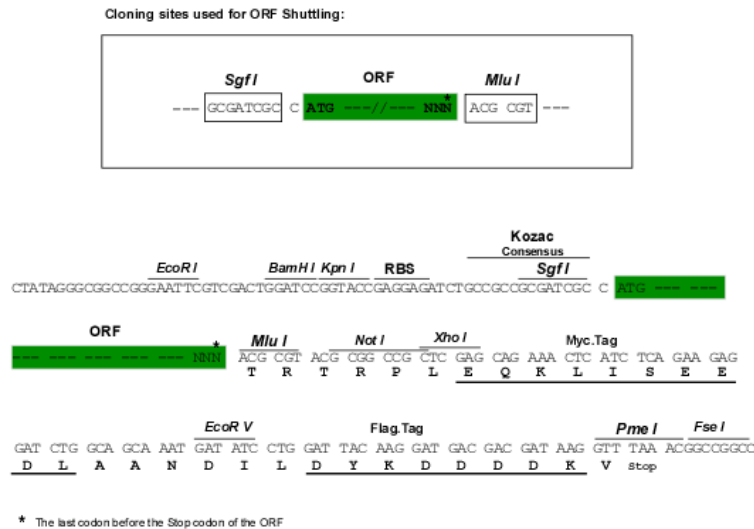
METLLKRELGCSSVKATGHSGGGCISQGSYDTDKGRVFKVNSKAEARRMFEGEMASLTAILKTGTVKV
 PKPIKVVDAPGGGSMVMHLDMRYLSSHATKLGTQLADLHLENKRLGERLLKEAGTVGKGGEQAERQYV
 DQFGFDVVTCCGYLPQVNDWQKNWVEFYARQRIQPMQDMVEKKSGDREALELWSALQLKIPDLFRDLEIV
 PALLHGDWLWGGNVAEDSSGPIIFDPASFYGHSEYELAIAGMFGGFSSSFYSAYHSKIPKTPGF EKRLQLY
 QLFHYLNHWNHFGSGYRGSSLNIMRNLSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9065_b03.zip

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: [NM_181420.3](#), [NP_852085.2](#)

RefSeq Size: 2028 bp

RefSeq ORF: 930 bp

Locus ID: 238024

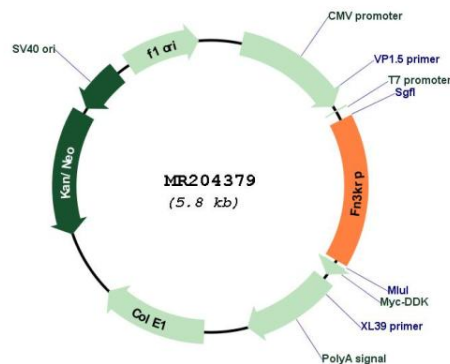
UniProt ID: [Q8K274](#)

Cytogenetics: 11 E2

MW: 34.5 kDa

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 MR204379