

Product datasheet for MR231774

Fmn1 (NM_001285458) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmn1 (NM_001285458) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fmn1
Synonyms:	Fmn; formin-1; ld
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231774 representing NM_001285458 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGCACTCACTGCACCCTCCAGCTGCATAACCCATTGCCGAACCTGCTATATCAGCTTCTATC
TTCCAAAAGGGGAAGTCAGAGGATTTTCATACAAGGGCACTGTAACCTAGACAGATCCAATAACGCTTT
CCATAACTGCTACCAAGTCAGGGAGGGCCAGACATCACCAGCCTCAGCCAGCAGCCAAACGAACATCCA
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GCTGCCAGCCAACATCCTCAGGACACCGGATGCAGACCTGGCCTTCGGAACCTCTGGGAGAACCTCAGA
GGACACTGATCTTGAAGGACCTGTGCCCTGACAGCAGCCCCACTGAGGTAGGAGATGCTGATGTGGGA
GGGCAGCTCAAGAGTTCTCACCAGCAGGAGCCCCACAACAAATGTGTCTGAAAGCCATGGGAAACATG
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GAGAAGAAGCCAACCCCCAGGTTCCAACAGCTCTTGGCATGGTATTTAATAATTCATCGCCTCAGTCCA
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 ACCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR231774 representing NM_001285458
 Red=Cloning site Green=Tags(s)

MEGTHCTLQLHNP^{IAELCYISFYLPKGEV}RFGFSYKGT^{VTLD}RSNNAFHNCYQVREGPDITSLSQQPNEHP
 GDIFFKQTP^{TKNILTEL}YKLTAEKERLLDSL^{LRSDN}ILGVSMGSQEGKLQELSVILATGDEYFQSAGNWR
 RELPVSSLIRRSTQENKK^{PRRSGR}RRRESPEELRQ^{KRTRRK}GRGCQESAFQMGKDQVCS^{SSSL}SFRARPNL
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 KVL^{RKVI}ESEKLEATEGKRLGFSLNTRATH^{TFP}PETRSQRKAGLPQSGHKFLLLDLPH^{TVP}DPSPQPKCD
 EKKTPQVPTALGMVFNNSPQSSAHKRLSPVPS^{LSP}RPCSPQ^{QHRI}LLLPLPSEGEVVFNEYP^{SRK}
 NDVSSGFP^{SADT}LEPSS^{TKVT}ETKGASPTSLRASQ^{TWL}VSEEASEKGLGPEKITAPPQH^LLPPEYQAAI
 LHLKREHKEE^{IETL}QAQFELKTFHIRGEHALVTARLEEAIENLKQQLGKRREGCEEMRDVCI^{STDDDC}SP
 KA^{FRN}VCIQTDRETF^{LKPCDA}ESKATR^{SSQ}IVPKKLTISLTQLSPSKDSKDIHAPFQTREGTSSSSQH^{KI}
 SPPAPPTPPPLPPPLIPPPPP^{LPPGL}GPLPAPP^{IP}VPVSPPPPPPPPPPTVPPSDGPPPPPPPPPP
 LPNVLALPNSGGPPPPPPPPGLAPPPPP^{LSFGL}SSSSSQYPRKPAIEPSCMPKPLYWTRIQINDK^{SQ}
 DAAPT^LWDSLEEPHIRDTSEFEYLF^{SKDTT}QQKKKPLSEAYEKKNKVKKI^{IKLL}DGKRSQTVGILISS^{LH}
 LEMKDIQQAIFTVDDSDV^{DLETL}AALYENRAQEDELTKIRKYET^{SKEED}LKLLDKPEQFLHELAQIP^{NF}
 AERAQCIIFRAV^{SEGIT}SLHRKVEIVTRASKLLHM^{SVKD}ILALILAFGNMNGGNRTRGQADGYSLE
 ILPKLKDVKSRDNGMNLVDYVVKY^{LYR}YDQEA^{GT}DKSVFPLPEPQDFFLASQVKFEDLLKDLRKLK^{RQL}
 EASEQQMKLVCKESP^{REYL}QPFKDKLEEFFKAKKEHKMEESHLENAQKSFETT^{VGY}FGMKPKTGEKEV^T
 PSYVFMVWF^{EFC}SDFKTIWKRESKNI^{SKERL}KMAQASVSKLTSEKKVETKKINPTASLKERLRQKEASV^A
 TN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

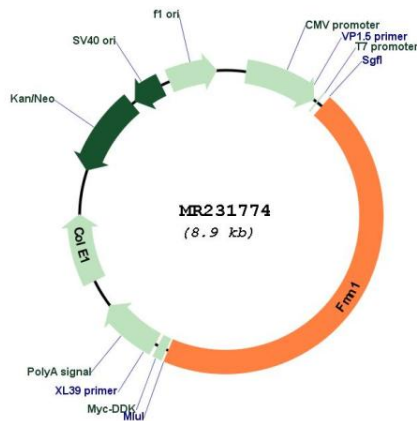


ACCN: NM_001285458

ORF Size: 3996 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.
RefSeq:	<u>NM_001285458.1</u> , <u>NP_001272387.1</u>
RefSeq Size:	11523 bp
RefSeq ORF:	3999 bp
Locus ID:	14260
Cytogenetics:	2 57.3 cM
MW:	148.9 kDa
Gene Summary:	Plays a role in the formation of adherens junction and the polymerization of linear actin cables.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231774