

Product datasheet for MR211924

II16 (NM_010551) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	II16 (NM_010551) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	II16
Synonyms:	mKIAA4048
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211924 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCCACGGCCACTCCGAAAGAGCCGAAATCCACGAAATTCGCTCCATCTCCCGTTCCTGA
TCCTCTGTAACGCCAAGACCAGTGATGACGGCTCCAGCCAGATGAGAAGTACCCTGACCCTTTGAGAC
TTCCTGTGCCAGGGCAAGGAGGTTTCTTTCACTCCTCCATGCAGCTGGCAGACACATTTGAGGCTGGG
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GCAAGCACTGCAGGAAGATGTTCTTCATGAAGGAATCTTCTTCAACTTCTCTAAAGAAAAGTCTGGAAA
ACCAGAAGCACAAAGTAGCAGCTTCTGTTTCTTAAAGCTTGCCACCAAAGGACACGCAGCAACTCCACC
AGTGTTAACCCCTACAGTGTGGAGAAATCGATTTTCCAATGACCAAGAAATCTGCAGCTCCCACCGACC
GGCAGCCCTACTCCCTCTGTAGCAACAGGAAGTCCCTCTCTCAACAACCTGGACTACCCAATTTGGGCAC
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GCTTCAGGAAGGTGATGAAATTTGGAATCAATGGTGAATCAATGGCTGGCCTAACACACCAGGATGCT
TTGCAGAAGTTTAAGCAAGCCAAGAAGGGGCTGCTGACTCTGACAGTGAGGACTCGCTGACAACACCC
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CAGCAGCCCTTCTCCTTGGAAAGTCCAGCGTCTCCTGCTAGCACTGCCAAACCAACTACAGAATCATG
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AGTGATCTCAGGCATCTTCGTTACACACTGTACCAGGATCCGTGGCAGCATCTTATGGACGGCTGAG
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GAGCTTGAAGGTGTCAAAGGCTGGAGAGCAGCTGGCATGGCGGCCTACCTTGGAAAGAACGTGAG



AAGCACTCAGCGCCCCACATCGAAGGGCCCAGAAGATCATGGTCCGATCCAGCAGTGACAGCAGCTACA
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ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211924 protein sequence
 Red=Cloning site Green=Tags(s)

MEPHGHSGKSRKSTKFRSISRSLILCNAKTSDDGSSPDEKYPDPFETSLCQGKEGFFHSSMQLADTFEAG
 LSNIPDLALASDSAQLAAGSDRGKHCRCMFFMKESSTSSKEKSGKPEAQSSSFLFPKACHQRTRSNST
 SVNYPYSAGEIDFPMTKKSAAPTDRQPYSLCSNRKSLSQLLDYPILGTARPTRSLSTAQLGQLSGGLQASV
 ISNIVLMKGQAKGLGFSIVGGKDSIYGPIGIYVKSI FAGGAAAADGRLQEGDEILELNGESMAGLTHQDA
 LQKFKQAKKGLLTLTVRTRLTPPSLCSHLSPLCRSLSSSTCGAQDSSPFSLESPASPASTAKPNYRIM
 VEVSLKKEAGVGLGIGLCSIPYFQCISGIFVHTLSPGSVAHLDGRLRCGDEIVEINDSPVHCLTLNEVYT
 ILSHCDPGVPVPIIVSRHPDPQVSEQQLKEAVAQAVEGVKFGKDRHQWSLEGVKRLESSWHGRPTLEKERE
 KHSAPPHRAQKIMVRSSDSSYMSGSPGGSPCSAGAEPQPSEREGSTHSPSLPGEEQEPGVPVSRPQ
 QESPLPESLERESHPLRLKKSFEILVRKPTSSKPKPPPRKYFKNDSEPKKLEEKVTDPSGHTLPT
 CSQETRELLPLLLQEDTAGRAPCTAACCPGAASTQTSSSTEGERRSASPETPASP GKHPLLKRQARM
 YSFDITAEADPWVRI SDCKNLFSPIMSENHSHTPLQPNTSLGEEDGTQGCPEGGLSKMDAANGAPRVYKS
 ADGSTVKKGPPVAPKPAWFRQSLKGLRNRAPDRRPPEVASAIQPTPVS RDPPGPQPQASSIRQRISSE
 ENFGSSQLPDRGVQRLSLQPSSGETTKFPGKQDGGFRSGLLGQATVTAKHRQTEVESMSTTFPNSSEVR
 DPGLPESPPPQRPSTKALSPDLLRLLTTQSEDTQGGPKMPSQRARSFPLTRTQSCETKLLDEKASKL
 YSISSQLSSAVMKSLCLPSSVSCGQITCIPKERVSPKSPCNSSAAEGFGEAMASDTGFSNLNSELREY
 SEGLTEPGETEDRNHCSSAQGSVISLLSAEELEKLEEVVRLDEATLKQLDSIHVTILHKEEGAGLGFS
 LAGGADLENKVIIVHRVFPNGLASQEGTIQKNEVLSINGKSLKGATHNDALAILRQARDPRQAVIVTRR
 TTVEATHDLNNSDASAASAASADISVESKEATVCTVTLEKTSAGLGF SLEGGKGS LHGDKPLTINRIFK
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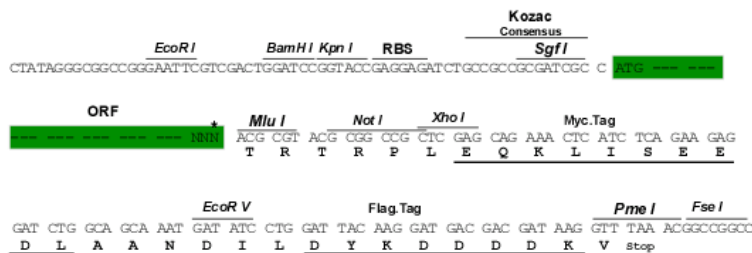
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



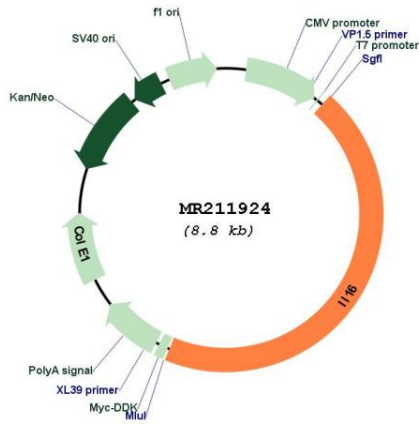
* The last codon before the Stop codon of the ORF

ACCN: NM_010551

ORF Size: 3969 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:	NM_010551.2 , NM_010551.3 , NP_034681.2
RefSeq Size:	4989 bp
RefSeq ORF:	3969 bp
Locus ID:	16170
UniProt ID:	O54824
Cytogenetics:	7 47.43 cM
MW:	141.4 kDa
Gene Summary:	Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211924