

Product datasheet for MR224668

Ei24 (NM_007915) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ei24 (NM_007915) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ei24
Synonyms:	AA536736; A1115355; PIG8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224668 representing NM_007915 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTTGGGGCACTTCCCTCTCGCTGTATTTGATAGTCTGGGCAGTGGAGAGATGGCTGACAGTGTCA
AAACCTTTCTGCAGGACCTTGGCAGGGGAATCAAAGACTCCATCTGGGGCATCTGTACCATCTCAAAGCT
AGATGCTCGGATCCAGCAGAAGAGAGAGGAACAGCGTCGAAGAAGGGCAAGTAGCCTCTTGGCCAGAGG
AGACCCAGAGTGTAGAGCGGAAGCAAGAGAGTGAACCACGTATTGTTAGTAGAATTTCCAGTGTGTG
CTTGGAATGGTGGAGTATTCTGGTTCAGTCTCCTCTTGTATCGAGTGTATTCCTGTACTTCAGTC
AGTAACAGCCCGATTATTGGAGATCCATCACTTCATGGAGATGTTGGTCATGGCTGGAATTTCTCCTC
ACATCAATTTTTCAGTGTCTTTGGGTGCTCCCCCTGTTTGTGCTTAGCAAAGTTGTGAATGCCATTTGGT
TCCAAGATATAGCTGACTTGGCATTGGAAGTATCAGGGAGGAAACCTCATCCATTTCCAGTGTGACAGAA
AATAATTGCTGACATGCTCTTCAACCTTTTGTACAGGCACTTTTCTTATTTCAGGGGATGTTTGTGAGT
CTCTTCCCATCCATCTGTGGGTGAGTGGTGTAGTCTGCTGCATATGCTCTTCTATTCACTGTACT
GCTTTGAGTACCGTTGGTTCAACAAAGGAATTGAAATGCACCAGCGATTGTGAACATAGAAAGGAATTG
GCCTTACTACTTTGGGTTTGGCTTGCCCTTGGCTTTCTCACAGCAATGCAATCCTCCTACATTATCAGT
GGCTGCCTTTTCTATCCTGTTTCTTTATTCATCATCAGGCCAATGAAGCAAAGACTCTGGAAAAAG
CATATCTTTCCAGTTGGCCTATTCTCCTGGTGGTCTTTTTAAGCAACAGACTTTCCACAAGACCGT
CTACCTGCAGTACGCCCTGAGCAGCTCGTCTCTGCAGAGAAATTCCTTCGCCACATCCTTCTCTGCC
AAACTGAAAGCTGCTGCAGGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224668 representing NM_007915
Red=Cloning site Green=Tags(s)

MVWGHFPLAVFDLSLGGEMADSVKTFLLQDLGRGIKDSIWGICTISKLDARIQQKREEQRRRRASSLLAQR
 RPQSVERKQESEPRIVSRIFQCCAWNGGVWFWSLLLFRVVFIPVLQSVTARIIGDPSLHGDVWSWLEFFL
 TSIFSALWVLPFLVLSKVVNAIWFQDIADLAFEVSGRKPFPFSVSKIADMLFNLLQALFLIQGMFVS
 LFPiHLVGQLVSLHMSLLYSLYCFEYRWFNKGIEHQRLSNIERNWPYYFGFGLPLAFLTAMQSSYIIS
 GCLFSILFPLFIISANEAKTPGKAYLFQLRFLSVVFLSNRLFHKTVYLQSALSSSSSAEKFPSPHPSPA
 KLKAAAGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9019_f10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_007915

ORF Size: 1074 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.

RefSeq: [NM_007915.5](#), [NP_031941.1](#)

RefSeq Size: 2108 bp

RefSeq ORF: 1077 bp

Locus ID: 13663

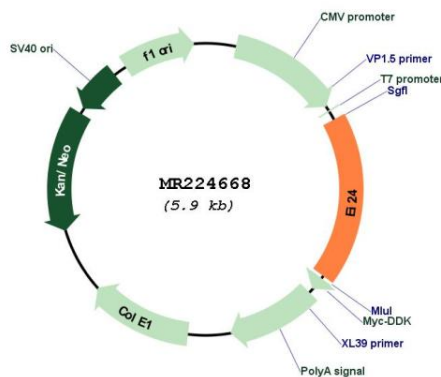
UniProt ID: [Q61070](#)

Cytogenetics: 9 20.68 cM

MW: 41.3 kDa

Gene Summary: Acts as a negative growth regulator via p53-mediated apoptosis pathway. Regulates formation of degradative autolysosomes during autophagy (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224668