

Product datasheet for MR218367

Fam120a (NM_001033268) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam120a (NM_001033268) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fam120a
Synonyms: C9orf10; Ossa
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218367 representing NM_001033268
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

ATGGGCGTGCAGGGCTTCCAGGACTACATCGAGAAGCACTGTCCGAGCGCCGTGGTGCCTGGAGCTGC
 AGAAGCTGGCCCGGGCAGCCTGGTGGCGGGCGGCAGCGGCCCGCCAGACCCCGCTGCGCCTGCT
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GCACGGGAGACCCAGGAGACCAAGTAAAGGTAGAAGGCTCATCCACTGCCTCTTCGGGGAGCCAGCTAG
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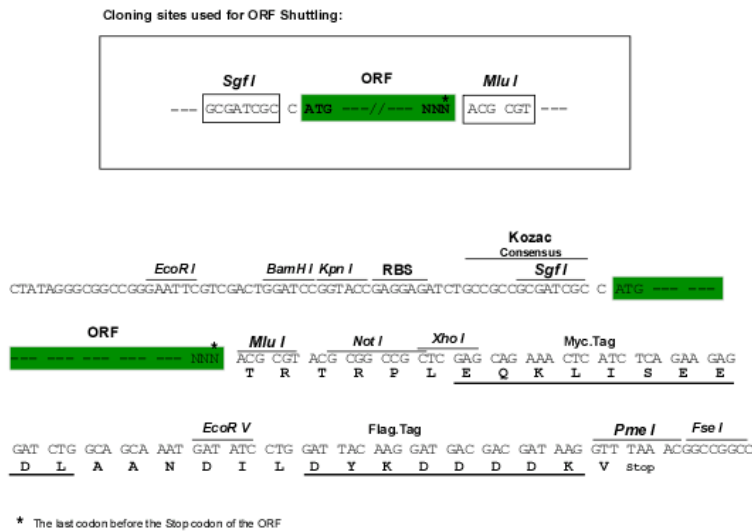
Protein Sequence:

>MR218367 representing NM_001033268
 Red=Cloning site Green=Tags(s)

MGVQGFQDYIEKHCP SAVVPVELQKLARGSLVGGGRQPPQTPLRLLVDADNCLHRLYGGFYTDWVSGGQ
 WNHMLGYLAALAKACFGGNIELFVFFNGALEKARLHEWVKRQGNERTAQQIVSHVQNKGT PPPKWWFLP
 PVCMAHCIRLALIRFHVKVAQSIEDHHQEVIGFCRENGFHGLVAYDSYALCNIPYYFSAHALKLSRNGK
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 GRPRGVI STPVIRTFGRGGRYGRGYSQGAIQGRPPYAA SAEVAKELKSKSGESKSSAVSLAENGVMA
 EEKVPVQLNGSTGDPVPSHSESALNND SKPCNTNPHLNALSTDSACREAALEAAVLNKEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9098_c01.zip
 Restriction Sites: SgfI-MluI
 Cloning Scheme:



ACCN: NM_001033268

ORF Size: 3336 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_001033268.3](#)

RefSeq Size: 4919 bp

RefSeq ORF: 3339 bp

Locus ID: 218236

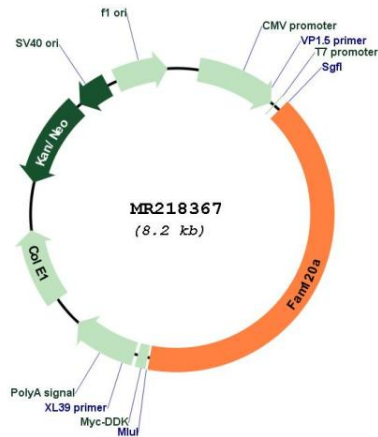
UniProt ID: Q6A0A9

Cytogenetics: 13 A5

MW: 121.6 kDa

Gene Summary: Critical component of the oxidative stress-induced survival signaling. Activates src family kinases and acts as a scaffolding protein enabling src family kinases to phosphorylate and activate PI3-kinase. Binds RNA and promotes the secretion of IGF-II (By similarity). May participate in mRNA transport in the cytoplasm.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218367