

Product datasheet for **MC223624**

Fam120a (NM_001033268) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam120a (NM_001033268) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam120a
Synonyms:	C9orf10; Ossa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223624 representing NM_001033268 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCGTGCAGGGCTTCCAGGACTACATCGAGAAGCACTGTCCGAGCGCCGTGGTGCCGGTGGAGCTGC
AGAAGCTGGCCCCGGGCGAGCCTGGTGGGCGGCGGGCGGCAGCGGCCCCCGCAGACCCCGCTGCGCCTGCT
GGTGGATGCCGACAACCTGCCTGCATCGCTGTACGGTGGCTTCTACACCGACTGGGTGAGCGGCGGCCAG
TGAACCATGCTCGGCTACCTGGCGGCTCTGGCCAAGGCTGCTTCGAGGCAACATCGAGCTCTTCG
TCTTCTCAATGGCGGCTCGAGAAGGCCCGGCTGCACGAGTGGGTCAAGCGGCAGGGCAACGAGCGCCA
GACAGCGCAGCAGATCGTCAGCCATGTCCAGAACAAGGGCACGCCACCGCCCAAGGTCTGGTTCTCGCT
CCGGTCTGTATGGCCCACTGCATCCGCCTGGCGCTCATCCGCTTCCACGTCAAGGTTGCACAGAGCATTG
AGGATCATCATCAAGAAGTGATTGGCTTCTGCAGAGAGAATGGTTTCCATGGCTTGGTGGCATATGACTC
CGATTATGCACTGTGCAACATCCCCTACTTCACTGAGTCCCATGCCCTGAACTGAGCCGCAACGGGAAG
AGTCTCACCACAAGCCAGTATCTGATGCACGAGTTGCCAAGCAACTGGACCTGAACCCAAATCGTTTTCT
CTATTTTGTGCTCTGTTAGGAAATCACATACTACCTGATGAGGATCTGGCTTCTCTCCATTGGAGTTT
ACTTGGTCCAGAGCATCCACTCGCTCACTGAAGTCCGAGCCCAAGCTGGTCTTCCACCCTGTGAT
GTAGTGATCAAAGCCGTAGCTGATTATGTTGCAACATTCATGACAGCTGACCTGGATGCCATAGCTA
AAGATGTTTTCCAGCATTACAGTCAAGAACAGATGACAAAGTCATTGCTTTAAGAGAGCAGTTGGATA
TTATTCAGCAACTAGCAAGCCCATGCCATTTACCCACCACATTACTTAGCCCGACCAAAATCCATTTGGA
ATGCCTGGGATGGTGCCACCATATGTTCCCCCTCAGATGCTCAACATTCCACAGACTTCTCTGCAAGCAA
AGCCCCGGTCCCGCAGGTGCCAGCCAGGGGGCACCCAGGCCAGGCTCCATACCCATACAGCCTCTC
TGAGCCAGCCCTCACCTGGACACTAGCGGGAAGAACCTGACAGAGCAGAATAGCTACAGCAACATTCT
CATGAGGGGAAGCACACCGCTGTATGAGCGCTCCTCGCCATCAACCTGGCCAGAGTGGCAGCCCCA
ATCACGTGGATTCTGCCTACTTCCCTGGCTCTTCTACATCATCATCAGACAATGATGAGGGCGCGG
AGGGGCGACCAACCACATCAGCGGAACAAGATTGGCTGGGAGAAGACAGGAAGCCATGCAGAGCCACTG



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GCACGGGAGACCCAGGAGACCAAGTAAAGGTAGAAGGCTCATCCACTGCCTCTTCGGGGAGCCAGCTAG
CTGAAGGCAAAGGGAGCCATATGGGCACTGTTCAACCAATCCCGTGCCTCCTGTCAATGCCAACTAGGAA
CCACATGGATATCACCACACCTCCATTGCCCCCTGTCGCACCTGAGGTGTTGAGAGTGGCTGAGCACAGA
CACAAGAAGGGACTGATGTACCCTACATCTTCCATATCTGACAAAGGGTGAATCAAAATTGCTGTTT
CTATTGAAGATGAAGCCAACAAAGACCTGCCTCCGGCCGCCCTGCTCTATAGGCCAGTTCGTCAGTATGT
TTACGGAGTCCTGTTTAGTTTGGCAGAAAGCAGAAAGAACTGAGAGACTTGCTTTTAAAGAAGACAGA
CTTCCACCAGAATTCTGCCCACTGATCATTAAAGGAGTGGGCAGCTTACAAGGGGAAATCTCCTCAGACCC
CGGAAGTGTGAAGCATTGGCCCTCCGGGAGTGGACCTGCCCAACCTGAAGAGGCTTTGGCTGGGCAA
GGCGGTGGAGGACAAGAACC GCCGATGAGGGCCTTCTGGCCTGCATGAGGTCTGATACCCAGCCATG
CTCAACCTGCCAATGTGCCCACTCACCTCATGGTGCTGCTGCGTCTTACGGTATATGGTGAGTGCC
CTGGAGCTCGCATTCTGCGAAGGCAGGAGCTGGATGCCTTCTGGCTCAGGCATTGTCCCCAACTCTA
TGAGCCGAGCAGCTGCAGGAATCAAGATTGACAACCTAGACCCGAGAGGAATTCAGCTGTGGCTCTC
TTCATGAGTGGAGTAGACATGGCACTGTTTGCTAATGACGCATGTGGACAGCCCATCCCCTGGGAACCT
GTTGTCCTTGGATGTATTCGATGGGAAGCTCTCCAGTCCAACTTCTTAAAGCCAGCAGGAGAAGAC
CCCCTCATCGACCTCTGTGATGGTCAGGCGGAGCAGGCTGCCAAGGTGGAGAAGATGCCCAGAGCATC
CTGGAGGGCCTCAGCTTCTCCCGCAAAACCACTGACCTTCCACCGCCTCCTGCTGTGCCCTTCT
ACCCAGCCTCTGTATACCTCGGCACTTTGGGCCAGTCCCACCCTCACAGGGCAGGGGCAGGGGCTTTC
AGGAGTCTGTGGCTTCGGAGGCCATTATGGGGAACAGTAGCAACAGGCCCTTACCGTGCCTTCCGGGTG
ACGGCAGCATCAGGACACTGTGGAGCCTTCTCAGGCAGTGACAGCAGCAGGACTAGCAAGTCCCAGGGCG
GAGTCCAACTATTCTTCTCAGGGAGGGAAGCTAGAAATAGCTGGCACTGTGGTCCGGCACTGGGCTGG
GAGCAGACGGGGCCGTGGGGCCGAGGGCCCTTCCCTCTGCAGGTGGTGTCTGTGGGAGGACCAGCGCA
GGGCGTCCAAGGGGTGTTATTTCACTCCGGTGATTAGAACGTTTGAAGAGGTGGAAGGTACTACGGCA
GAGGCTACAAAAGCCAGGAGCAATTGAGGCAGGCCTCTTATGCTGCTTCAGCAGAAGAAGTGGCCAA
AGAACTGAAGTCGAAATCTGGGGAATCCAAGTCTCTGCTGTGTCCCTGGCTGAAAACGGAGTGATGGCC
GAGGAGAAGCCAGTGCCCAACTTAATGGGAGCACGGGTACCCAGAGTCCCCAGCCACTCTGAAAGTG
CCTTGAATAATGACTCTAAACCGTGCAATACAAATCCTCACTTAAATGCACTAAGTACAGACAGCGCCTG
CCGAGGGAGGCTGCTCTGGAGGAGCTGTCTTAATAAAGAAGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033268
- Insert Size:** 3339 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001033268.2 , NP_001028440.2
RefSeq Size:	4919 bp
RefSeq ORF:	3339 bp
Locus ID:	218236
UniProt ID:	Q6A0A9
Cytogenetics:	13 A5
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]