

Product datasheet for RC239981

FAM120A (NM_001286722) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM120A (NM_001286722) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM120A
Synonyms:	C9orf10; HBVPTPAP; O SSA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC239981 representing NM_001286722 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCGTGCAGGGCTTCCAGGACTACATCGAGAAGCACTGCCGAGCGCCGTGGTCCGGTGGAGCTGC
AGAAGCTGGCCCGGGCAGCCTGGTGGGCGGCGGGCGGCAGCGGCCCGCCAGACCCCGTGCCTGCT
GGTGGACGCCGACAACCTGCCTGCACCGCCTCTACGGCGGCTTCTACACCGACTGGGTGAGCGGCGCCAG
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TCTTCTCAACGGCGCGCTCGAGAAGGCCCGGCTGCACGAGTGGGTCAAGCGGCAGGGCAACGAGCGCCA
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TAGCCGAAGGCAAGGGAAGCCAGATGGGCACTGTCCAGCCAATCCCGTGCCTCCTGTCGATGCCACCAG
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 GCCACTCTGAAAGTGCCTTGAATAATGACTCTAAAACGTGCAATACAAATCCTCATTAAATGCACTAAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC239981 representing NM_001286722
 Red=Cloning site Green=Tags(s)

MGVQGFQDYIEKHCPSAVVPVELQKLARGSLVGGGRQRPPTPLRLLVDADNCLHRLYGGFYTDWVSGGQ
 WNHMLGYLAALAKACFGGNIELFVFFNGALEKARLHEWVKRQGNERTAQQIVSHVQNKGTPPPQVWFLP
 PVCMAHCIRLALIRFHVKAQSIEDHHQEVIGFCRENGFHGLVAYDSYALCNIPYYFSAHALKLSRNGK
 SLTTSQYLMHEVAKQLDLNPNRFPFAALLGNHILPDEDLASFHWSLLGPEHPLASLKVRAHQVLPPCD
 VVIKAVADYVRNIQDTSDLDAIAKDVQHSQSRDDKVIKRAIGYYSATSKPMSFHPPHYLARPPFG
 MPGMVPPHVPPQMLNIPQSLQAKPVAPQVPSGGAPGQPYPSLSEPAPLTLDTSKNLTEQNSYSNI
 PHEGKHTPLYERSSPINAQSGSPNHVDSAYFPGSSTSSSSDNDEGGATNHSIGNKIGWEKTGSHSEP
 QARGDPGDQTKAEGSSTASSGSQLAEGKGSQMGTVQPIPCLLSMPTRNHMDITPPLPPVAPEVLRVAEH
 RHKKGLMYPYIFHVLTKGEIKIAVSIEDANKDLPPAALLYRVRQYVYGVFLSLAESRKKTERLAFRKN
 RLPPEFSPVIKAWAAYKKGSPQTPPELVEALAFREWTCPNLKRLWLGKAVEDKNRRMRAFLACMRSDTPA
 MLNPNANVPTLMLVLCVLRVMVQWPGARILRRQELDAFLAQALSPKLYEPDQLQELKIENLDPRIQLSA
 LFMSGVDMALFANDACGQPIPWEHCCPWWYFDGKLFQSKLLKASREKTPIDLCDGQADQAAKVEKMRQS
 VLEGLSFSRQSHLPPFPALPFYASAYPRHFQVPPSQGRGRGFAGVCGFGGPPYGETVATGPYRAFR
 VAAASGHCGAFSGSDSSRTSKSQGGVQPIPSQGGKLEIAGTVVGHWAGSRRRGRGPFPLQVVSVGGPA
 RGRPRGVI STPVIRTFGRGGRYGRGYKNQAAIQGRPPYAASAEVAKELKSKSGESKSSAMSSDGLAE
 NGVMAEEKPAPQMNGSTGDARAPSHESALNNSKTCNTNPHLNALSTDSACREAALEAAVLNKEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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_001286722.2</u>
RefSeq Size:	5161 bp
RefSeq ORF:	3354 bp
Locus ID:	23196
UniProt ID:	<u>Q9NZB2</u>
Cytogenetics:	9q22.31
MW:	122.3 kDa
Gene Summary:	May participate in mRNA transport in the cytoplasm (By similarity). 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. May play a pivotal role in the progression of scirrhou-type gastric cancer by supporting cancer cell survival in environments with various oxidative stresses.[UniProtKB/Swiss-Prot Function]