

Product datasheet for **RC228384**

FAM90A20 (NM_001164453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FAM90A20
Synonyms:	FAM90A20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC228384 representing NM_001164453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGGCAGTCGGGACCCACATCTTGGCCAAGAGACTGGTGAGAGCCAGACCCTCCAGAAGCAGC
 GGAGGGCCCCAGTTGGGCCAAGGGCTCCCCCGCCGATGAAGAAGATCCCAGGCTCAAGTGCAAAAACCTG
 CGGGGCTTTGGCCACACGGCCAGAAGTACCAGGTGCCCCATGAAGTGCTGGAAGGCAGCCCTGTTTCCA
 GCGACCTTGGGGAAAAAGGAAGGGAAGGAAACCTGAAACCATGGAAGCCTGGGGTTGAAGCCAACCCGG
 GGCCCTTGAACAAGGATAAGGGAGAGAAGGAAGAGAGACCAAGGCAACAAGACCCGACAGGAAGGCTCT
 CCTCCACATGTTTTCCGGGAAACCTCCAGAGAAGCCGCTGCCGAATGGAAAAGGATCCACGGAATCTTCT
 GATTATCTGAGGTTGCAAGGGGGCAATGCCGGTCCACACAACCTGTAAGAGGCCGCGCATGGACCCTG
 TCCTCTCTGGTCGCTCAGCTACCGAAATGTCTGGCAGGGGCTCCGTCTTGGCTTCACTGTCTCCCTCAG
 AAAAGCCAGTCTGAGCTCCTCTCAAGTCTTGGACCAAGGAAAGACAGACAGGGGCTGCCGCCGACATC
 CCTCGGCTGCAGTCAGGCACAGGTCCACGAGACTCTCCTCGTGGTGGAGCCGACACACAGCAGCCCTG
 AGGGTAGTGCCGAGAAGTTCCCCAGGCTGCCTCCAAAACCCACGGCCTGCTCCAGGCCGTGAGAACCCA
 GGCACAAGACAAACGTCTGCGGTGACCTCACAGCCCTGCCATCAGCCGCCACACAGCTTGGGCCTA
 GGCTCAATCTCAGCTTTGGGTCAGGAGCCAAGAGACTGCCAGGCTCCGATTCAGGCTTGCTGAACT
 TCCCCAAGAAACCGAGACTGGGTCCCTTCCAGATCCCCGAAAGCACCATCCAGGGAGGTGAGCTGGGGGC
 CCCGGAGAATCTCAACCTCCACAGCCGCAACCGAACTTGGACCAAGTAGGTGCCCCAGATGGGCAGG
 AGGACACCGGCCAGGTGCCAGCGTTGAACGGCAGCCTCCGCACCGCAGACCTTGCTGCCTACTGCC
 AGGCTGCACCATGTCCATCAGCCAGCGGCCAGCCATGATGGGGCCAGCCTCTCAGAGTGCTCTTCCG
 GAGACTGGAACCGAGCTGGAGCTCCAGCCTCCTGGCGGCCCTCATTTCACTCTCTGAGAAGCCG
 GGAGCCTTCTCGCTCAGAGCCCTCATGTGTAGAGAAGTCTGAGGCTCCCTGTGTTGCTGCCACCGA
 GCGTCTCTATGAGGACCTCAGGTTTCTCTCTCCTCAGAGGACAGCGATTCTGACCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228384 representing NM_001164453
 Red=Cloning site Green=Tags(s)

MMARRDPTSWAKRLVRAQTLQKQRRAPVGPRAAPPDEEDPRLKCKNCGAFGHTARSTRCPMKCWAALVP
 ATLKGKEGKENLKPWPGVEANPGPLNKDKGEKEERPRQDPQRKALLHMFSGKPPEKPLPNGKSTESS
 DYLRVARGPMPVHTTCKRPRMDPVLSGRSATEMSGRGSLASLSPLRKASLSSSSSLGPKERQTGAADI
 PRPAVRHQVHETLLVVEPTHSSPEGSCREVPQAASKTHGLLQAVRTQAQDKRPVTSQPCPSAATHSLGL
 GSNLSFGSGAKRPAQAPIQAACLNFPKPKRLGPFQIPESTIQGGELGAPENLQPPPAATELGPSRSPQMGR
 RTPAQVPSVERQPPHRRPCLPTAQAQTMSSHHPAASHDGAQPLRVLFRRLENGRWSSLLAAPSFSHPEKP
 GAFLAQSPHVSEKSEAPCVRVPPSVLYEDLQVSSSSSDSDSLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8038_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164453

ORF Size: 1392 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001164453.1](#), [NP_001157925.1](#)

RefSeq ORF: 1394 bp

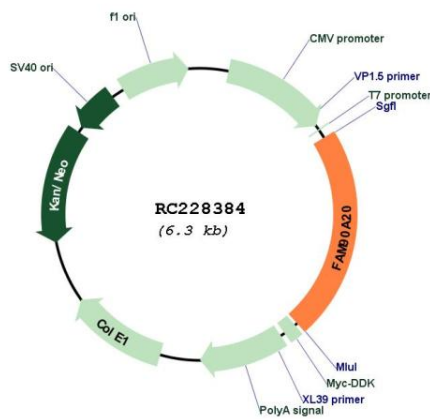
Locus ID: 728430

Cytogenetics: 8p23.1

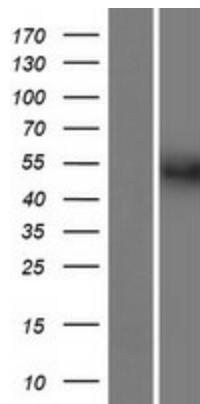
MW: 49.8 kDa

Gene Summary: FAM90A20 belongs to subfamily II of the primate-specific FAM90A gene family, which originated from multiple duplications and rearrangements (Bosch et al., 2007 [PubMed 17684299]). For background information on the FAM90A gene family, as well as information on the evolution of FAM90A genes, see FAM90A1 (MIM 613041).[supplied by OMIM, Oct 2009]

Product images:



Circular map for RC228384



Western blot validation of overexpression lysate (Cat# [LY431412]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228384 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).