

Product datasheet for **RC210679**

FAM120A (NM_014612) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM120A (NM_014612) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM120A
Synonyms:	C9orf10; HBVPTPAP; OSSA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210679 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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CCTCAGGCACGAGGAGACCCAGGAGACCAACAAAGGCAGAAGGCTCGTCCACTGCCTCTTCAGGAAGCC
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Protein Sequence:

>RC210679 protein sequence

Red=Cloning site Green=Tags(s)

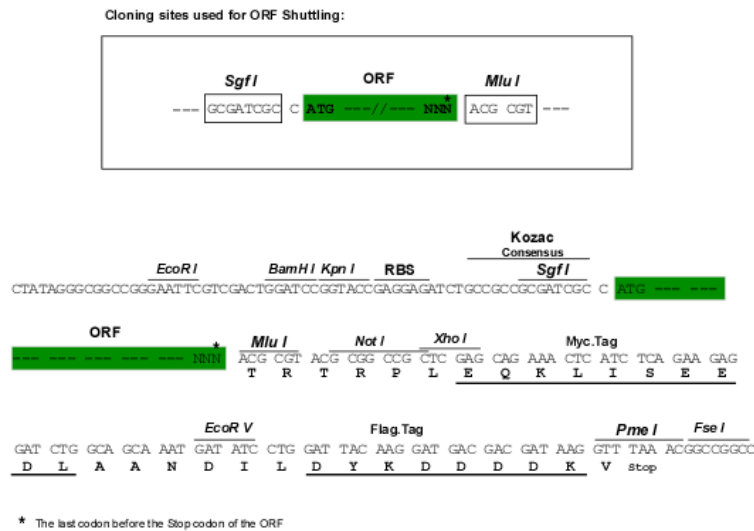
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Chromatograms: https://cdn.origene.com/chromatograms/mk6678_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014612

ORF Size: 3354 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_014612.5](#)

RefSeq Size: 5164 bp

RefSeq ORF: 3357 bp

Locus ID: 23196

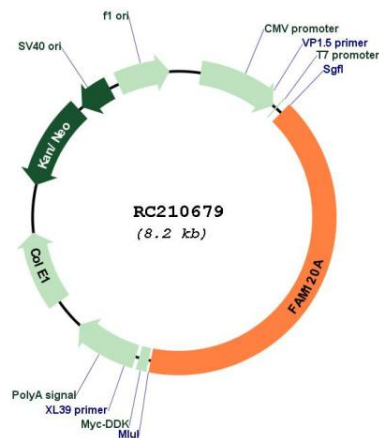
UniProt ID: [Q9NZB2](#)

Cytogenetics: 9q22.31

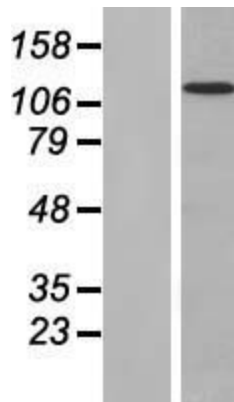
MW: 121.9 kDa

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 scirrhus-type gastric cancer by supporting cancer cell survival in environments with various oxidative stresses.[UniProtKB/Swiss-Prot Function]

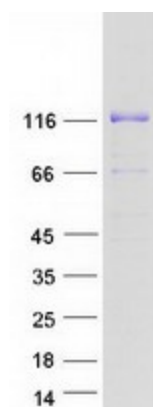
Product images:



Circular map for RC210679



Western blot validation of overexpression lysate (Cat# [LY415164]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210679 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM120A protein (Cat# [TP310679]). The protein was produced from HEK293T cells transfected with FAM120A cDNA clone (Cat# RC210679) using MegaTran 2.0 (Cat# [TT210002]).