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Product datasheet for RC209783

C10orf97 (FAM188A) (NM_024948) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C10orf97 (FAM188A) (NM_024948) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C10orf97
Synonyms:	C10orf97; CARP; DERP5; FAM188A; MST126; MSTP126; my042
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC209783 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCGAACTGACTAAAGAGCTGATGGAGCTGGTGTGGGGCACCAAGAGCAGCCCCGGTCTCTCGGACA
CCATTTTCTGCCGCTGGACGCAAGGGTTTGTGTTTAGTGAATCAGAGGGATCTGCATTAGAACAGTTTGA
AGGTGGCCCCTGTGCTGTTATTGCACCTGTTCAGGCATTTCTTTTGAAGAAGCTCCTGTTTTCTTCGGAG
AAGTCTTCTTGGCGGGATTGTTCAGAGGAAGAGCAGAAGGAACTCCTTTGTCATACCTTGTGTGATATTT
TAGAAAGTGCTTGTTGTGACCACTCTGGATCATACTGCTTGGTTTCATGGTTAAGAGGAAAGACAACTGA
GGAAACTGCTAGTATTTCTGGGAGTCCTGCAGAGTCTAGTTGCCAAGTGGAACATTCTTCTGCCTTGGCT
GTCGAAGAGCTTGGCTTTGAGCGATTTCATGCATTAATTCAAAAAAGATCGTTCAGAAGTTTACCAGAAT
TAAAAGATGCTGTCTTGGACCAGTATTCAATGTGGGGAAATAAATTTGGAGTATTGCTTTTTCTGTATTC
TGTATTACTGACAAAGGGCATTGAAAACATAAAAAACGAAATTGAAGATGCAAGTGAACCCTTGATAGAT
CCTGTATATGGACATGGCAGCCAAAGTTTAATTAATCTCCTGCTGACGGGACATGCTGTTTCTAATGTAT
GGGATGGTGATAGAGAGTGCTCAGGAATGAAACTTCTTGGTATACATGAACAAGCAGCAGTAGGATTTTT
AACACTAATGGAAGCTTTAAGATACTGTAAGGTTGGTTCTTACTTGAAATCTCCAAAATTCCCTATTTGG
ATTGTTGGCAGTGAGACTCACCTCACCGTATTTTTTGCCAAGGATATGGCTTTAGTTGCCCCTGAAGCTC
CTTCAGAACAAGCCAGAAGAGTTTTTCAAACCTACGACCCAGAAGATAATGGATTCATACCCGATTCACT
TCTGGAAGATGTGATGAAAGCATTGGACCTTGTTTCAGATCCTGAATATATAAATCTCATGAAGAATAAA
TTAGATCCAGAAGGATTAGGAATCATATTATTGGGCCCATTTCTTCAAGAATTTTTTCCTGATCAGGGCT
CCAGTGGTCCAGAATCTTTTACTGTCTACCACTACAATGGATTGAAGCAGTCAAATTATAATGAAAAGGT
CATGTACGTAGAAGGGACTGCAGTTGTGATGGGTTTTGAAGATCCCATGCTACAGACAGATGACACTCCT
ATTAAACGCTGTCTGCAAACCAAATGGCCATACATTGAGTTACTCTGGACCACAGATCGCTCTCCTTCAC
TAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209783 protein sequence
Red=Cloning site Green=Tags(s)

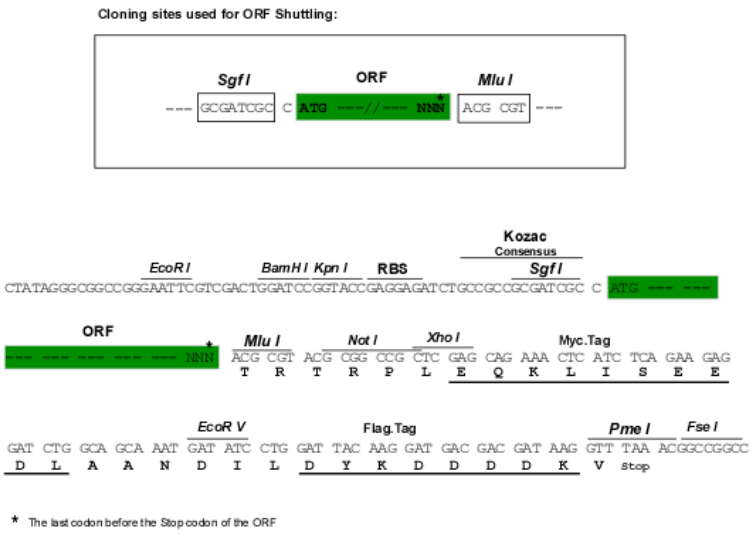
MSELTKELMELVWGTKSSPGLSDTIFCRWTQGFVFSESEGSALEQFEGGPCAVIAPVQAFLLKKLLFSSE
KSSWRDCSEEEQKELLCHTLCDILESACCDHSGSYCLVSWLRGKTTEETASISGSPAESSCQVEHSSALA
VEELGFERFHALIQKRSFRSLPELKDAVLDQYSMWGNKFGVLLFLYSVLLTKGIENIKNEIEDASEPLID
PVYGHGSQSLINLLLTGHAVSNVWDGDRECSGMKLLGIHEQAAVGFLTLMEALRYCKVGSYLKSPKFPIW
IVGSETHLTVFFAKDMALVAPEAPSEQARRVFQTYDPEDNGFIPDSLLEDVMKALDLVSDPEYINLMKNK
LDPEGLGIILLGPFLQEFFPDQGSSGPESFTVYHYNGLKQSNYNEKVMYVEGTAVVMGFEDPMLQTDDTP
IKRCLQTKWPYIELLWTTDRSPSLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6530_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024948

ORF Size: 1335 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_024948.4

RefSeq Size: 2375 bp

RefSeq ORF: 1338 bp

Locus ID: 80013

UniProt ID: Q9H8M7

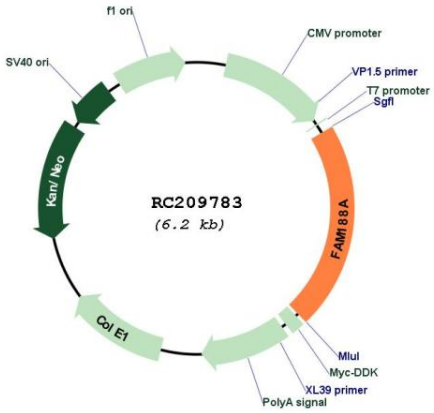
Cytogenetics: 10p13

Protein Families: Druggable Genome

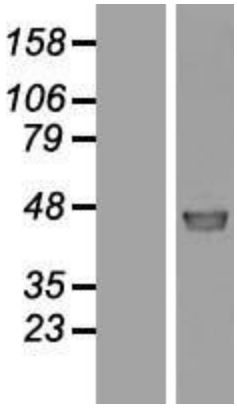
MW: 49.7 kDa

Gene Summary: The protein encoded by this gene contains a caspase-associated recruitment domain and may function in apoptosis. It has been identified as a tumor suppressor in lung and gastric cancers, and a polymorphism in the gene may be associated with gastric cancer risk. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2015]

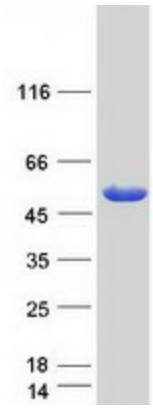
Product images:



Circular map for RC209783



Western blot validation of overexpression lysate (Cat# [LY410949]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209783 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MINDY3 protein (Cat# [TP309783]). The protein was produced from HEK293T cells transfected with MINDY3 cDNA clone (Cat# RC209783) using MegaTran 2.0 (Cat# [TT210002]).