

Product datasheet for **RG209783**

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:	TurboGFP
Symbol:	C10orf97
Synonyms:	C10orf97; CARP; DERP5; FAM188A; MST126; MSTP126; my042
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209783 representing NM_024948
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGAAGTACTAAAGAGCTGATGGAGCTGGTGTGGGGACCAAGAGCAGCCCCGGTCTCTCGGACA
 CCATTTCTGCCGCTGGACGCAAGGGTTTGTGTTTAGTGAATCAGAGGGATCTGCATTAGAACAGTTTGA
 AGGTGGCCCTGTGCTGTTATTGCACCTGTTCAAGCATTCTTTTGAAGAAGCTCCTGTTTTCTCGGAG
 AAGTCTTCTTGGCGGATTGTTCAAGGAAGAGCAGAAGGAACTCCTTTGTCATACCTTGTGTGATATT
 TAGAAAGTGCTTGTGTGACCACTCTGGATCATACTGCTTGGTTTCATGGTTAAGAGGAAAGACAACGA
 GGAAACTGCTAGTATTTCTGGAGTCTGCAGAGTCTAGTTGCCAAGTGAACATTCTTCTGCCTTGGCT
 GTCGAAGAGCTTGGCTTTGAGCGATTTTCATGCATTAATCAAAAAGATCGTTCAGAAGTTTACCAGAAT
 TAAAAGATGCTGTCTTGGACCACTTCAATGTGGGAAATAAATTTGGAGTATTGCTTTTTCTGTATTC
 TGTATTACTGACAAAGGGCATTGAAAACATAAAAAACGAAATTGAAGATGCAAGTGAACCTTGATAGAT
 CCTGTATATGGACATGGCAGCCAAAGTTTAATTAATCTCCTGCTGACGGGACATGCTGTTTCTAATGTAT
 GGGATGGTGATAGAGAGTGCTCAGGAATGAAACTTCTTGGTATACATGAACAAGCAGCAGTAGGATTTTT
 AACACTAATGGAAGCTTTAAGATACTGTAAGGTTGGTTCTTACTTGAAATCTCCAAAATTCCTATTTGG
 ATTGTTGGCAGTGAGACTCACCTCACCGTATTTTTTGGCAAGGATATGGCTTTAGTTGCCCTGAAGCTC
 CTTCAGAACAAAGCCAGAAGATTTTTCAAACCTACGACCCAGAAGATAATGGATTCATACCCGATCACT
 TCTGGAAGATGTGATGAAAGCATTGGACCTTGTTCAGATCCTGAATATATAATCTCATGAAGAATAAA
 TTAGATCCAGAAGGATTAGGAATCATATTATTGGGCCATTTCTCAAGAATTTTTCTGATCAGGGCT
 CCAGTGGTCCAGAATCTTTACTGTCTACCACTACAATGGATTGAAGCAGTCAAATTATAATGAAAAGGT
 CATGTACGTAGAAGGGACTGCAGTTGTGATGGGTTTTGAAGATCCCATGCTACAGACAGATGACACTCCT
 ATTAACGCTGTCTGCAACCAATGGCCATACATTGAGTTACTCTGGACCACAGATCGCTCTCCTTCAC
 TAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209783 representing NM_024948
 Red=Cloning site Green=Tags(s)

MSELTKELMELVWGKSSPGLSDTIFCRWTQGFVSESEGSALQFEGGPCAVIAPVQAFLLKKLLFSSE
 KSSWRDCSEEEQKELLCHTLCDILESACDHSYCLVSWLRGKTTEETASISGSPAESSQVEHSSALA
 VEELGFERFHALIQKRSFRSLPELKDAVLQYSMWGNKFGVLLFLYSVLLTKGIENIKNEIEDASEPLID
 PVYGHGSQSLINLLLGHAVSNVWDGDRCSGMKLLGIHEQAAGVFLTLMEALRYCKVGSYLKSPKFIW
 IVGSETHLTVFFAKDMALVAPEAPSEQARRVFQTYDPEDNGFIPDSLLEDVMAKDLVSDPEYINLMKNK
 LDPEGLGIILLGPFLQEFFPDQSSGPESFTVYHYNGLKQSNYNEKVMYVEGTAVVMGFEDPMLQTDTP
 IKRCLQTKWPYIELLWTTDRSPSLN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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:	<u>Q9H8M7</u>
Cytogenetics:	10p13
Protein Families:	Druggable Genome
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 RG209783