

Product datasheet for RR210495

Fnta (NM_012847) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fnta (NM_012847) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fnta
Synonyms:	PFAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210495 representing NM_012847 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCACTGAGGGGTCTGGGAATCTGCGCCAGGCGGTGAGCCGGGACAGCCAGAGCAGCCCGCCG
CCCCGCTCCTCCGCCAGCAGCAGCCGAGGAAGAAGAGATGGCGCCGAGGCGGGGAAGCAGC
GGCGTCCCCTATGGACGACGGTTTCTGAGCCTGGACTCGCCACCTATGTCTTGTACAGGGACAGGGCA
GAGTGGGCTGACATAGACCCAGTGCCCCAGAATGATGGCCCCAGTCCAGTGGTCCAGATCATCTACAGT
AAAAGTTTAGAGACGTCTATGATTACTCCGAGCTGTTCTGCAGCGCGATGAAAGAAGCGAACGAGCCTT
TAAGTCACTCGAGATGCTATTGAGTTAAACGCAGCCAATAACGGTGTGGCATTTCGGAGAGTTCTC
TTGAGGTCGCTTCAGAAGGATCTGCAAGAAGAAATGAACTACATCATCGCAATAATTGAGGAACAGCCCA
AAAATATCAAGTTTGGCACCATAGGAGAGTATTAGTGGAGTGGCTGAAAGATCCTTCTCAAGAGCTCGA
GTTTCATCGCCGATATCCTTAATCAGGATGCAAAGAATTACCATGCCTGGCAGCATCGACAGTGGGTCA
CAGGAGTTTCGACTTTGGGATAATGAGCTGCAGTATGTGGACCAGCTTCTCAAAGAGGATGTGAGAAATA
ACTCTGTGTGGAACCAAGACACTTCGTCATTTCTAATACCACTGGCTACAGTATCGCGCTGTGTTGGA
GAGAGAAGTCCAATATACTCTGGAATGATCAAATTAGTGCCACACAATGAGAGTGCCTGGAACACTTGG
AAAGGGATTTTGCAGGACCGTGGTCTTTCCAGATACCCTAATCTATTAACCAGTTGCTTGATTTACAAC
CAAGTCACAGCTCCCCCTACCTAATTGCCTTTCTTGTGGATATCTATGAAGACATGCTGGAAAACAGTG
TGACAACAAGGAGGACATTCTTAATAAAGCACTAGAGTTATGTGAGATTCTAGCTAAAGAAAAGGACACT
ATAAGAAAGGAATATTGGAGATATATTGGACGGTCCCTCCAGAGTAAACACAGCAGAGAAAGTGACATAC
CGGCGAGTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR210495 representing NM_012847
 Red=Cloning site Green=Tags(s)

MAATEGVGESAPGGEPGQPEQPPPPPPPPAQQPQEEEMAAEAGEAAASPMDGFLSLDSPTYVL YRDRA
 EWADIDPVPQNDGPPSPVVQIIYSEKFRDYYDYFRAVLQORDERSERAFKL TRDAIELNAANYTVWHFRRVL
 LRS LQKDLQEEMNYIIAIIIEEQPKNYQVWHHRRVLVEWLKDP SQELEFIADILNQDAKNYHAWQHRQWVI
 QEFRLWDNELQYVDQLLKEDVRNNSVWNQRHFVINSNTTGYSDRAVLEREVQYTLEM IKLVPHNESAWNYL
 KGILQDRGLSRYPNLLNQLLDLQPSHSSPYLIAFLVDIYEDMLENQCDNKEDILNKALELCEILAKEKDT
 IRKEYWRYIGRSLQSKHSRES DIPASV

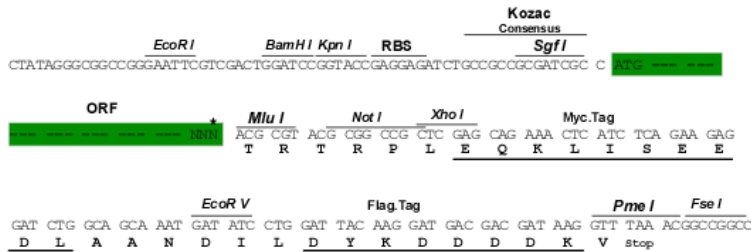
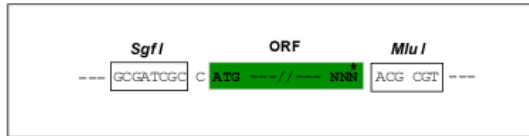
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_012847

ORF Size: 1131 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.

RefSeq: [NM_012847.1](#), [NP_036979.1](#)

RefSeq Size: 1680 bp

RefSeq ORF: 1134 bp

Locus ID: 25318

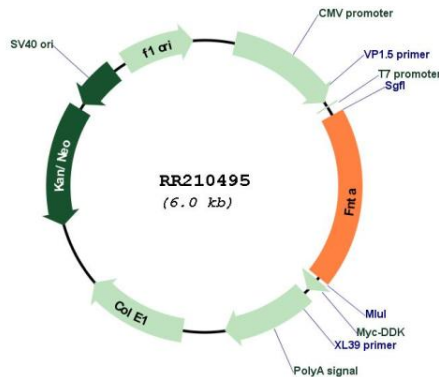
UniProt ID: [Q04631](#)

Cytogenetics: 16q12.4

MW: 44 kDa

Gene Summary: subunit of the heterodimeric p21ras protein farnesyltransferase that attaches farnesyl residues to a cysteine at the fourth position from the C-terminus; may function as farnesyl pyrophosphate carrier [RGD, Feb 2006]

Product images:



Circular map for RR210495