

Product datasheet for MC207280

Fnta (NM_008033) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fnta (NM_008033) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fnta
Synonyms:	FTA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207280 representing NM_008033 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCCACCGAGGGGTCTGGGAATCTGCGGCAGGCGCGAGCCGGGACAGCCGGAGCAGCCCGCCG
CCCCGCTCCGCCCGCCAGCACAGCAGCCGAGGAAGAAGAGATGGCGGTGAGGCCGGGAAGCGGC
GGCGTCCCCTATGGACGACGGGTTCTGAGCCTGGACTCGCCACCTATGTCTTGTACAGGGACAGAGCA
GAATGGGCTGATATAGACCCAGTGCCCAAGATGACGGCCCTAACCCAGTGGTCCAGATCATCTACAGTG
AAAAGTTTAGAGATGTTTATGATTACTTCCGAGCTGTTCTGCAGCGGATGAGAGGAGCGAACGAGCCTT
TAAGTCAACCGAGACGCTATTGAGTAAATGCAGCCAACACACAGTGTGGCATTTTCGGAGAGTTCTC
TTAAGGTCGCTTCAAAGGATCTACAAGAGGAAATGAACTACATCACTGCGATAATTGAGGAGCAGCCCA
AAAATCAAGTTTGGCACCACAGGCGAGTATTAGTGAATGGCTGAAAGATCCTTCTCAAGAGCTTGA
ATTCATTGCCGACATTCTTAGTCAGGATGCCAAGAATTACCATGCCTGGCAGCATCGACAGTGGGTCA
CAGGAATCCGACTTTGGGATAATGAGCTGCAGTATGTAGACCAGCTTCTCAAAGAGGATGTGAGGAATA
ACTCTGTGTGGAACCAAAGACACTTCGTCATTTCTAACCCACTGGCTACAGTGACCGCGGTGTTAGA
GCGAGAAGTCCAGTATACTCTGAAATGATCAAGTTAGTCCGCATAATGAGAGCGCATGGAACCTACCTG
AAAGGATTCTGCAGGACCGTGGTCTTTCTAGATACCCTAATCTATTAATCAGTTGCTTATTTACAAC
CAAGCCACAGTTCTCCGTACCTGATTGCCTTTCTGTGGATGTCTATGAAGACATGCTAGAAAACAGTG
TGACAACAAGGAGGACATTCTTAATAAAGCACTAGAGTTATGTGAGATCCTAGCTAAAGAAAAGGACACT
ATAAGAAAGGAATATTGGAGGTATTGGACGGTCCCTTCAGAGTAAACACTGCAGAGAAAGTGACATAC
CGCGGAGTGTATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_008033
Insert Size:	1134 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_008033.3</u> , <u>NP_032059.1</u>
RefSeq Size:	1881 bp
RefSeq ORF:	1134 bp
Locus ID:	14272
UniProt ID:	<u>Q61239</u>
Cytogenetics:	8 14.27 cM
Gene Summary:	Essential subunit of both the farnesyltransferase and the geranylgeranyltransferase complex. Contributes to the transfer of a farnesyl or geranylgeranyl moiety from farnesyl or geranylgeranyl diphosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. May positively regulate neuromuscular junction development downstream of MUSK via its function in RAC1 prenylation and activation.[UniProtKB/Swiss-Prot Function]