

Product datasheet for **RR215203**

Lfng (NM_133393) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lfng (NM_133393) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lfng
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR215203 representing NM_133393 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCTCCAGCGCTGCGGCCGGCGCCTACTGCTGGCGCTGGTGGGTGCGCTGCTGGCTTGTCTCCTGGTGC
TCACCGCCGACCCGCGCAACTCCGGTGCCCGCTGAGCGCGGAAGGCGCGCTGCGTAGCCTGGCGGG
CTCCTCTGGGGCGGCTCCGGGTCCAGGGTCCAGGGCGGCCGTGGATCCCGGAGTCCTCGTCCGCGAGGTG
CACAGCCTTTCCGAGTACTTCAGTCTACTCACCCGCGCGCAGAGACCGGATCCACCGCCGGGGTGC
CTTCTCGCCAGGGCGACGGCCATCCGCTCCCCCGCGAGGTTCTGTCCCTCGCGATGTCTTTCATCGC
CGTCAAGACCACAGAAAGTTTCACCGCGCGGCTTGACCTGCTGTTTCGAGACCTGGATCTCGCGCCAC
AAGGAGATGACATTCATCTTACGGACGGGAGGATGAAGCTTTGGCCAAGCACACAGGCAATGTGGTAC
TCACCAACTGCTCTGCGGCCACAGCCGCCAGGCGCTGTCTTGCAAGATGGCTGTGGAGTACGACCGTTT
CATTGAGTCGGGAAGAAGTGGTTCTGCCACGTGGACGATGACAACCTACGTCAACCTCCGGGCACTGCTG
CGGCTGCTGGCCAGCTATCCCCACACCAAGACGTGTACATCGGCAAGCCAGCCTGGACAGACCCATCC
AGGCCACGGAGCGGATCAGCGAGCACAGAGTGAGACCTGTCCACTTTTGGTTTCCACCGGAGGAGCTGG
CTTCTGCATTAGCCGAGGACTGGCCCTAAAGATGGGCCATGGGCCAGTGGGGACACTTCATGAGCACA
GCAGAGCGCATCCGCTCCGGATGATTGCACATTGGCTACATTGTGGAGGCTCTGCTGGCGGTGCCCC
TCATCCGGAGTGGCCTTCCACTCGCACCTGGAGAACCTGCAGCAGGTGCCACCACCGAGCTCCATGA
ACAGGTGACCCTGAGCTATGGCATGTTTAAAAACAAGCGGAACCGGTGCACATCAAGGGACCTTCTCA
GTGGAGGCTGACCCTCCAGGTTCCGCTCTATCCACTGCCATCTGTACCCGGACACACCCTGGTGTCCCC
GCACTGCCATCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215203 representing NM_133393
Red=Cloning site Green=Tags(s)

MLQRCGRLLLLALVGALLACLLVLTADPPPTPVAERGRRALRSLAGSSGAAPGPSRAAVDPGLVREV
 HSLSEYFSLLTRARRDADPPPGVASRQGDGHPRPPAEVLSPRDVFI AVKTRKFRARLDLLFETWISRH
 KEMTFIFTDGEDEALAKHTGNVLTNCSAAHSRQALSCKMAVEYDRFIESGKKWFCHVDDDNVYVNL RALL
 RLLASYPHTQDVYIGKPSLDRPIQATERISEHRVRPVHFWFATGGAGFCISRGLALKMGPWASGGHFMST
 AERIRLPDDCTIGYIVEALLGVPLIRSLFHSLENLQQVPTTELHEQVTL SYGMFENKRNAVHIKGPFS
 VEADPSRFRS IHCHLYPDTWPCPRTAIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133393

ORF Size: 1134 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_133393.2](#), [NP_596884.1](#)

RefSeq Size: 1860 bp

RefSeq ORF: 1137 bp

Locus ID: 170905

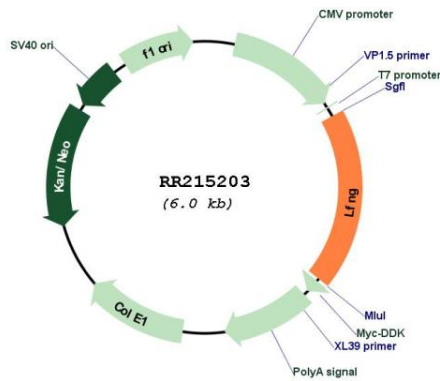
UniProt ID: [Q924T4](#)

Cytogenetics: 12q11

MW: 42 kDa

Gene Summary: glycosyltransferase; involved in the epithelial morphogenesis of teeth [RGD, Feb 2006]

Product images:



Circular map for RR215203