

Product datasheet for **MR200404**

Llcf1 (NM_029671) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Llcf1 (NM_029671) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Llcf1
Synonyms: 1700034O15Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200404 representing NM_029671
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCTCTGGGCTCCAGCTCCACAGCAACATTCTGACAGCTTTGTTGCTACTGCTGCTGCTCC
AAGTGAAGGGGTGAAGACTCTGATAGTGAGTGCAAGCTTGGATGGTACAAGAGTCAGAAAGACAAAGT
GTCCTCTGAAGACCAGGGTGAGGAGGAGTATGAAGAACAATTTGAGGCTTCATCAGAGGGTGAGCAGTGG
CAGGAGATAGATATGGTCCAGCAAGAAGACACGATCTCCAGGCAATAACTCTCCAGGACCACCTCTTG
ACCTAGCCTTCTGCTTCAACCTGGCCAGCATCATGTTTTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200404 representing NM_029671
Red=Cloning site Green=Tags(s)

MTSLGSQLHRATFLTALLLLLLLQVKGVKTLIVSASLDGDKSQKDKVSSSEDQGEEEYEEHFASSEGEQW
QEIDMVQQEDTISQAITLQDHLLDLAFCFNLASIMFFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9052_g09.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_029671

ORF Size: 324 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_029671.2](#), [NP_083947.1](#)

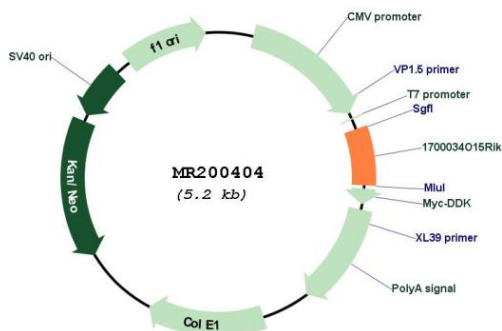
RefSeq Size: 741 bp

RefSeq ORF: 327 bp

Locus ID: 76606

UniProt ID: [Q9D9P8](#)
 Cytogenetics: 6 B2.1
 MW: 12.6 kDa
 Gene Summary: Sperm protein required for fusion of sperm with the egg membrane during fertilization. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200404