

Product datasheet for MR216680

Lcn5 (NM_001042630) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lcn5 (NM_001042630) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lcn5
Synonyms: E-RABP; Er; Erabp; mE-R; MEP1; MEP10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216680 representing NM_001042630
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCTCAGTTGCTAGGCATATGGAGAGCATCATGCTCTTCACCTTGCTGGGACTGTGTGTGGGCTGG
CAGCTGGCACAGAGGCTGCAGTGGTGAAGGACTTCGACGTAACAAGTTTTAGGCTTCTGGTATGAAAT
TGCCCTTGCTCCAAGATGGGTGCATACGGCTTGGCACACAAGGAGGAGAAGATGGGAGCCATGGTGGT
GAGCTGAAAGAGAACCTTCTGGCTCTGACCACCACCTATTACAATGAGGGCCACTGTGTGCTGGAGAAGG
TTGCAGCCACTCAGGTGGACGGTTCAGCGAAGTACAAGGTCACCAGAATATCAGGAGAGAAAGAAGTTGT
TGTTGTAGCCACAGACTACATGACGTATACTGTGATTGATATCACCTCTCTGGTGGCCGGGCAGTACAT
CGAGCCATGAAACTGTACAGCCGAGCTTGGACAACAATGGGGAAGCTCTGAATAATTTCCAGAAGATAG
CCTTGAAGCATGGGTTTTTCAGAAACAGACATACACATTCTCAAGCATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216680 representing NM_001042630
Red=Cloning site Green=Tags(s)

MCSVARHMESIMLFTLLGLCVGLAAGTEAAVVKDFDVKFLGFWYEIALASKMGAYGLAHKEEKMGAMVV
ELKENLLALTTTYNEGHCVLEKVAATQVDGSAKYKVTRISGEKEVVVATDYMTYTVIDITSLVAGAVH
RAMKLYSRSLDNNGEALNNFQKIALKHGFSETDIHILKHD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1557_f08.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042630

ORF Size: 540 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_001042630.2](#), [NP_001036095.1](#)

RefSeq Size: 913 bp

RefSeq ORF: 543 bp

Locus ID: 13863

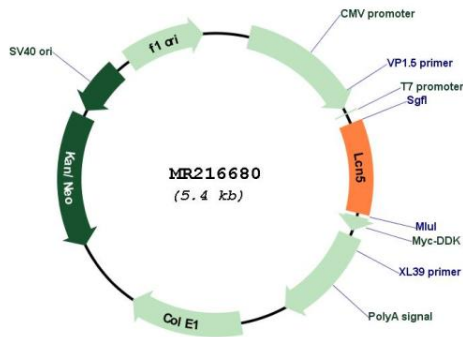
UniProt ID: [A2AJB7](#)

Cytogenetics: 2 A3

MW: 20.2 kDa

Gene Summary: This gene encodes a small secreted protein that is expressed in the epididymis and binds retinoic acid. The precursor protein is processed into both a longer major form and a shorter minor form. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]

Product images:



Circular map for MR216680