

Product datasheet for RC209699

LYZL2 (NM_183058) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LYZL2 (NM_183058) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LYZL2
Synonyms: LYZD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC209699 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGACGCTCCCCTGAGCTGCCTGTACCGACTAAGTGGAGCAGTGTTCCTCCGAGACTCAACTG
 AGAAGTCAGCCTCTGCGGCAGGCACCAGGAATCTGCCTTTTCAGTTCTGTCTCCGGCAGGCTTTGAGGAT
 GAAGGCTGCGGGCATTCTGACCCTATTGGCTGCCTGGTACAGGCGCCGAGTCCAAAATCTACACTCGT
 TGCAAAGTGGCAAAAATATTCTCGAGGGCTGGCCTGGACAATTACTGGGGCTTCAGCCTTGAAAAGTGA
 TCTGCATGGCGTATTATGAGAGCGGCTACAACACCACAGCCAGACGGTCTGGATGACGGCAGCATCGA
 CTACGGCATCTTCCAGATCAACAGCTTCGCGTGGTGCAGACGCGAAAGCTGAAGGAGAACAACCACTGC
 CACGTCGCCTGCTCAGCCTTGGTCACTGATGACCTCACAGATGCGATTATCTGTGCCAAGAAAATTGTTA
 AAGAGACACAAGGAATGAATTATTGGCAAGGCTGGAAGAAACTGTGAGGGGAGAGACCTGTCCGACTG
 GAAAAAGACTGTGAGGTTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209699 protein sequence
 Red=Cloning site Green=Tags(s)

MQDAPLSCLSPTKWSSVSSADSTEKSASAAGTRNLPFQFCLRQALRMKAAGILTLIGCLVTGAESKIYTR
 CKLAKIFSRAGLDNYWGFSLGNWICMAYYESGYNTTAQTVLDDGSIDYGFQINSFAWCRRGKLENNHC
 HVACALVTDLDTAIIICAKKIVKETQGMNYWQGWKKHCEGRDLSDWKDKCEVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6072_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_183058

ORF Size: 582 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 Size: 777 bp

RefSeq ORF: 447 bp

Locus ID: 119180

UniProt ID: [Q7Z4W2](#)

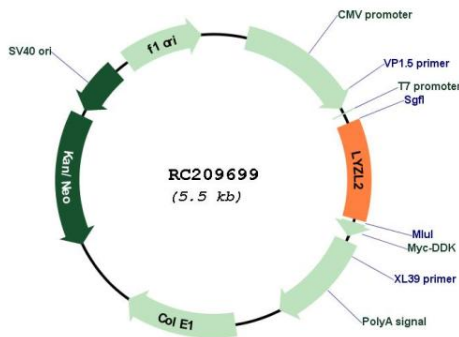
Cytogenetics: 10p11.23

Protein Families: Secreted Protein

MW: 21.6 kDa

Gene Summary: Lysozymes (see LYZ; MIM 153450), especially C-type lysozymes, are well-recognized bacteriolytic factors widely distributed in the animal kingdom and play a mainly protective role in host defense. LYZL2 is a member of a family of lysozyme-like genes (Zhang et al., 2005 [PubMed 16014814]).[supplied by OMIM, Apr 2009]

Product images:



Circular map for RC209699