

Product datasheet for **RG209699**

LYZL2 (NM_183058) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LYZL2 (NM_183058) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LYZL2
Synonyms: LYZD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209699 representing NM_183058
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGACGCTCCCCTGAGCTGCCTGTACCCGACTAAGTGGAGCAGTGTTCCTCCGCAGACTCAACTG
 AGAAGTCAGCCTCTGCGGCAGGCACCAGGAATCTGCCTTTTCAGTTCTGTCTCCGGCAGGCTTTGAGGAT
 GAAGGCTGCGGGCATTCTGACCCTATTGGCTGCCTGGTACAGGCGCCGAGTCCAAAATCTACACTCGT
 TGCAAACCTGGCAAAAATATTCTCGAGGGCTGGCCTGGACAATTACTGGGGCTTCAGCCTTGAAAACCTGGA
 TCTGCATGGCGTATTATGAGAGCGGCTACAACACCACAGCCAGACGGTCTGGATGACGGCAGCATCGA
 CTACGGCATCTTCCAGATCAACAGCTTCGCGTGGTGCAGACGCGAAAGCTGAAGGAGAACAACCACTGC
 CACGTCGCTGCTCAGCCTTGGTCACTGATGACCTCACAGATGCGATTATCTGTGCCAAGAAAATTGTTA
 AAGAGACACAAGGAATGAACTATTGGCAAGGCTGGAAGAACTGTGAGGGGAGAGACCTGTCCGACTG
 GAAAAAAGACTGTGAGGTTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209699 representing NM_183058
 Red=Cloning site Green=Tags(s)

MQDAPLSCLSPTKWSSVSSADSTEKSASAAGTRNLPFQFCLRQALRMKAAGILTLIGCLVTGAESKIYTR
 CKLAKIFSRAGLDNYWGFSLGNWICMAYYESGYNTTAQTVLDDGSIDYGFQINSFAWCRRGKLENNHC
 HVACALVTDDLDAIICAKKIVKETQGMNYWQGWKKHCEGRDLSDWKKDCEVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



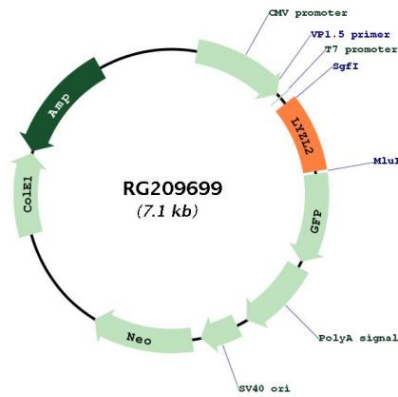
Cloning Scheme:


- 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:** [NM_183058.2](#), [NP_898881.2](#)
- RefSeq Size:** 777 bp
- RefSeq ORF:** 447 bp
- Locus ID:** 119180
- UniProt ID:** [Q7Z4W2](#)
- Cytogenetics:** 10p11.23

Protein Families: Secreted Protein

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 RG209699