

## Product datasheet for **RG208863**

### LYZL6 (NM\_020426) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LYZL6 (NM\_020426) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LYZL6  
**Synonyms:** HEL-S-6a; LYC1; LYZB; PRO1485; TKAL754; UNQ754  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG208863 representing NM\_020426  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACAAAGGCGCTACTCATCTATTTGGTCAGCAGCTTCTTGCCTAAATCAGGCCAGCCTCATCAGTC  
 GCTGTGACTTGGCCAGGTGCTGCAGCTGGAGGACTTGGATGGGTTTGGGGTTACTCCCTGAGTGACTG  
 GCTGTGCCTGGCTTTTGTGAAAGCAAGTTCAACATATCAAAGATAAATGAAAATGCAGACGGAAGCTTT  
 GACTATGGCCTCTCCAGATCAACAGCCACTACTGGTGAACGATTATAAGAGTTACTCGGAAAACCTTT  
 GCCACGTAGACTGTCAAGATCTGCTGAATCCCAACCTTCTTGCAGGCATCCACTGCGCAAAAAGGATTGT  
 GTCCGGAGCACGGGGATGAACAACTGGGTAGAATGGAGTTGCACTGTTCAAGCCGGCCACTCTTCTAC  
 TGGCTGACAGGATGCCGCTGAGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG208863 representing NM\_020426  
 Red=Cloning site Green=Tags(s)

MTKALLIYLVSSFLALNQASLISRCDLAQVLQLEDLDFEGYSLSDWLCLAFVESKFNISKINENADGSF  
 DYGLFQINSHYWCNDYKSYSENLCHVDCQDLLNPNLLAGIHC AKRIVSGARGMNNVWVWRLHCSGRPLFY  
 WLTGCRLR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_020426

**ORF Size:** 444 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

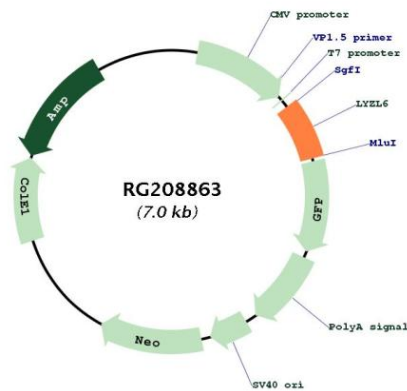
**RefSeq:** [NM\\_020426.4](#)

**RefSeq Size:** 872 bp

**RefSeq ORF:** 447 bp

**Locus ID:** 57151  
**UniProt ID:** [O75951](#)  
**Cytogenetics:** 17q12  
**Protein Families:** Secreted Protein  
**Gene Summary:** This gene encodes a member of the C-type lysozyme/alpha-lactalbumin family. C-type lysozymes are bacteriolytic factors that play a role in host defense, whereas alpha-lactalbumins mediate lactose biosynthesis. The encoded protein contains catalytic residues characteristic of C-type lysozymes and may play a role in male reproduction. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2011]

**Product images:**



Circular map for RG208863