

## Product datasheet for RC208863

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LYZL6 (NM\_020426) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** LYZL6  
**Synonyms:** HEL-S-6a; LYC1; LYZB; PRO1485; TKAL754; UNQ754  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC208863 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACAAAGGCGCTACTCATCTATTTGGTCAGCAGCTTTCTTGCCTAAATCAGGCCAGCCTCATCAGTC  
 GCTGTGACTTGGCCAGGTGCTGCAGCTGGAGGACTTGGATGGGTTTGAGGGTTACTCCCTGAGTGACTG  
 GCTGTGCCTGGCTTTTGTGGAAGCAAGTTCAACATATCAAAGATAAATGAAAATGCAGACGGAAGCTTT  
 GACTATGGCCTCTCCAGATCAACAGCCACTACTGGTGAACGATTATAAGAGTTACTCGGAAAACCTTT  
 GCCACGTAGACTGTCAAGATCTGCTGAATCCCAACCTTCTTCAGGCATCCACTGCGCAAAAAGGATTGT  
 GTCCGGAGCACGGGGATGAACAACTGGGTAGAATGGAGGTTGCACTGTTTCAGGCCGGCCACTCTTCTAC  
 TGGCTGACAGGATGCCGCTGAGA

A**CGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC208863 protein sequence  
 Red=Cloning site Green=Tags(s)

MTKALLIYLVSSFLALNQASLISRCDLAQVLQLEDLDGFEGYSLSDWLCLAFVESKFNISKINENADGSF  
 DYGLFQINSHYWCNDYKSYSENLCHVDCQDLLNPALLAGIHCARIIVSGARGMNNVWEVRLHCSGRPLFY  
 WLTGCRLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6233\\_b09.zip](https://cdn.origene.com/chromatograms/mk6233_b09.zip)


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**Restriction Sites:** SgfI-MluI

**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](#)

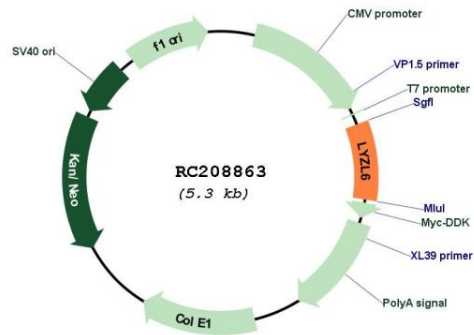
**RefSeq Size:** 942 bp

**RefSeq ORF:** 447 bp

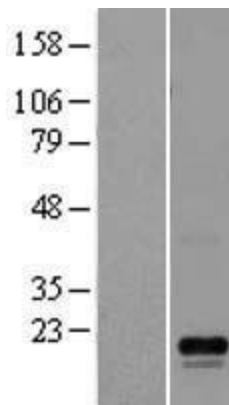
**Locus ID:** 57151  
**UniProt ID:** [O75951](#)  
**Cytogenetics:** 17q12  
**Protein Families:** Secreted Protein  
**MW:** 17 kDa  
**Gene Summary:**

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]

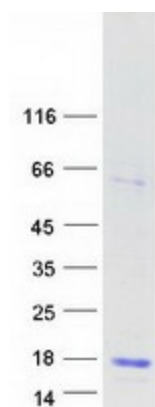
### Product images:



Circular map for RC208863



Western blot validation of overexpression lysate (Cat# [LY412477]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208863 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LYZL6 protein (Cat# [TP308863]). The protein was produced from HEK293T cells transfected with LYZL6 cDNA clone (Cat# RC208863) using MegaTran 2.0 (Cat# [TT210002]).