

Product datasheet for **MG200957**

Lyzl4 (NM_026915) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Lyzl4
Synonyms: 1810009N24Rik; AI504271; Lyc4; Lyza
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG200957 representing NM_026915
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGCTGTACCTGGTCTTCTCCTCATCAGCTACTTGTGACTCCGATCGGTGCTTCCATCTTGGGGC
GCTGCACAGTGGCTAAGATGCTCTATGATGGGGCTTGAATATTTTGGAGGGCTACAGCCTTGAAAACCTG
GGTGTGCCTGGCTATTTTGGAGCAAGTTCAACCCCTCAGCTGTCTATGAGGACCCACAAGATGGCTCC
ACCGTTTTCGGCTCTTTCAGATTCGTGACAATGAATGGTGCGCCACGGCAAGAACCCTCTGCAGTGTGT
CCTGCACTGCTTTACTGAATCCAACTTAAAGGATACGATCCAGTGTGCCAAGAAAATCGTGAAAGGAAA
ACATGGGATGGGAGCGTGGCCATCTGGTCCAAGAAGTCCAGCTGTCTGACGTTCTGGACCGGTGGCTG
GACGGCTGTGATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200957 representing NM_026915
Red=Cloning site Green=Tags(s)

MQLYLVLILLISYLLTPIGASILGRCTVAKMLYDGLNYFEGYSLENVWVCLAYFESKFNPSAVYEDPQDGS
TGFGLFQIRDNEWCGHGKNLCSVSCTALLNPNLKDTIQCAKKIVKGKMGAWPIWSKNCQLSDVLDRLW
DGCDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_026915

ORF Size: 435 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_026915.4](#)

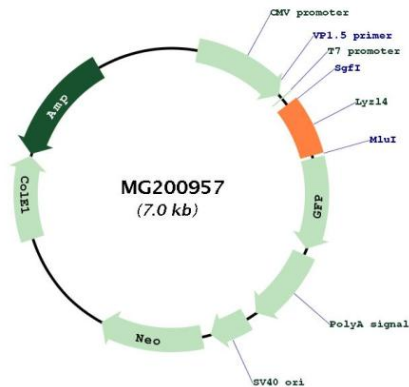
RefSeq Size: 1057 bp
RefSeq ORF: 438 bp
Locus ID: 69032

UniProt ID: [Q9D925](#)

Cytogenetics: 9 F4

Gene Summary: May be involved in fertilization (PubMed:21444326). Has no detectable bacteriolytic in vitro (PubMed:21444326). Has no lysozyme activity in vitro (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200957