

## Product datasheet for **MG214963**

### Lhpp (NM\_029609) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Lhpp
Synonyms:	2310007H09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG214963 representing NM\_029609  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCCGCATGGGCTGAGCGGCTGACGGGCGTGCGGGGAGTGCTGCTTGACATCTCCGGGTGCTATGTG  
ATAGCAGCGCAAGCGGTGCAACCGCTATCGCAGGCTCTGTGGAGGCACTGGCGAGACTGAAACAGTCCCC  
GCTGAAAGTGAGGTTCTGTACCAATGAGTCCCAGAAATCCCTGAGAGAGCTGGTGGGGTGCTTCAGCAG  
CTGGGGTTTGACATCTCAGAAGAAGAGGTGACTGCCCTGCACCAGCCACCTGCCAGATCCTGAAGGAGC  
GAGGCCTGCGGCCACACTTGCTTATCCATGAAGGAGTCCGCTCAGAATTTGATGACATCGATATGTCCAA  
CCCAAAGTGTGGTGATTGCGGATGCTGGGGAGGCCTTTTCTATCAGAACATGAACAGAGCCTTCCAG  
GTGCTAATGGAGCTGAAAACCCGTGCTCATATCCCTGGGAAAAGGACGCTATTACAAGGAGACCTCTG  
GCCTGATGCTGGACGTTGGAGTTACATGAAGGCGCTCGAGTATGCCTGTGGTATCAAGGCTGAAGTGGT  
GGGAAAACCTCCCTGAGTCTTCAAGTCTGCTCTACAAGCCATAGGGGTGGAAGCCACCAGGCCATC  
ATGATTGGCGATGACATCGTGGGTGACGTTGGCGGTGCCAGCAGTGTGGAATGAGAGCTCTGCAGGTGC  
GGACCGGGAAGTTCAGGCCTGGTATGAGCATCATCCAGAAGTACAGGCAGATGGGTACGTGGACAACCT  
TGCGGAGGCTGTGGATCTGCTGCTGAAGTACACGGACAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG214963 representing NM\_029609  
 Red=Cloning site Green=Tags(s)

MAAWAERLTGVRGVLLDISGVLCDSSASGATAIAGSVEAVARLKQSPKRVFCTNESQKSLRELVGVLQQ  
 LGFDISEEEVTAPAPATCQILKERGLRPHLLIHEGVRSEFDDIDMSNPNCVVIADAGEAFSYQNMNRAFQ  
 VLMELLENPVLISLKGGRYKETSGLMLDVGGYMKALEYACGIKAEVVGKPSPEFFKSALQAIQVEAHQAI  
 MIGDDIVGDVGAQQCGMRALQVRTGKFRPGDEHHPEVQADGYVDNLAEVDLLLKYTDK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_029609

**ORF Size:** 810 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\\_029609.1](#), [NP\\_083885.1](#)

**RefSeq Size:** 1607 bp

**RefSeq ORF:** 813 bp

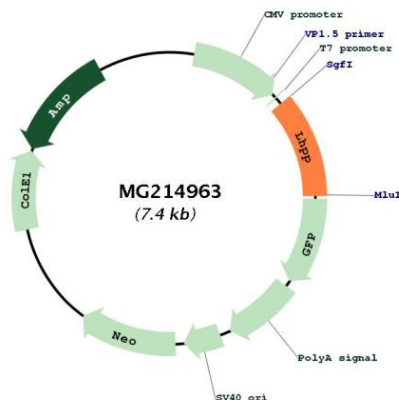
**Locus ID:** 76429

**UniProt ID:** [Q9D7I5](#)

**Cytogenetics:** 7 F3

**Gene Summary:** Phosphatase that hydrolyzes imidodiphosphate, 3-phosphohistidine and 6-phospholysine. Has broad substrate specificity and can also hydrolyze inorganic diphosphate, but with lower efficiency (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG214963