

Product datasheet for **RN210568**

Lamp5 (NM_001014183) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lamp5 (NM_001014183) Rat Untagged Clone
Tag: Tag Free
Symbol: Lamp5
Synonyms: BAD-LAMP; LAMP-5; RGD1306991
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210568 representing NM_001014183
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATCTACGAGGAAGAGCCCTTCTCGGTGGAGACAGACTTCGGATTCTCCTAATGTTCTTCCATGCAA
TGGCCAAACCGTGGCAGAACAAGAAGTGAAAATCTTTCGGCCCTTCCACGAACCCGGAGAAAGACAT
ATTTGTGGTGGCGGAAAATGGGACGACGTGTCTCATGGCAGAGTTGCAGCCAAATTTATTGTACCTTAT
GATGTGTGGGCCAGCAATTATGTGGATCTGATCAGAGCAGGCTGAGATCTCCTTGACCCGGGAGCTG
AGGTGAAGGGCCGCTGTGGTCAACGAGTCGGAGCTGCAGGTGTTCTGGGTAGATCGCGCTACACACT
CAAAATGCTCTTTGTAAGGAAAGTCAACACTTCCAAGGACTAGAGGCGACTTGAAGCTGAGCAAG
GTGCAAGTTGTCTATGATTCCTCAGAGAAGACCCACTTTAAAGATGCTGTGAGTGCTGGGAAGCATAACC
CCAACCTCACCACCTCTCTGCCTTGGTGACCCAGCTGGGATGTCCTATGAGTGCCAGGCTCAGCAGAC
CATTTCTCTGGCCTCCAGTGATCCTCAGAAGACTGTCACCATGATCCTGTCTGCAGTGACATTCAGCCC
TTTGATATCATCTCTGACTTTGTCTTCAGTGAAGAGCATAAATGTCCAGTGGATGAGCGAGAACAGTTGG
AAGAGACCCTGCCCTGATCCTGGCCTCATCTTAGGCCTGGTCATTGTCATAAACAATTTGATTTACCA
CATTATCAGAAAATGACTGCCAACCAAGTGCAGATCCCCAGAGACCGTTCACAGTACAAGCACATGGGC
TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014183
Insert Size: 843 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001014183.1</u> , <u>NP_001014205.1</u>
RefSeq Size:	1864 bp
RefSeq ORF:	843 bp
Locus ID:	362220
UniProt ID:	<u>Q5PPI4</u>
Cytogenetics:	3q36
Gene Summary:	Plays a role in short-term synaptic plasticity in a subset of GABAergic neurons in the brain. [UniProtKB/Swiss-Prot Function]