

## Product datasheet for MC214272

### Lsmp (NM\_175548) Mouse Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Lsmp (NM_175548) Mouse Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | Lsmp  |
| Synonyms:                 | 5430428I19; AW046674; B130007O04Rik; D930023J12Rik; Lam; Lamp   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Restriction Sites:        | Sgfl-MluI   |
| ACCN:                     | NM_175548   |
| Insert Size:              | 1026 bp   |
| 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"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| Note:                     | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.  |
| RefSeq:                   | <u><a href="#">NM_175548.3</a></u> , <u><a href="#">NP_780757.1</a></u>   |


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RefSeq Size: 2467 bp

RefSeq ORF: 1026 bp

Locus ID: 268890

UniProt ID: [Q8BLK3](#)

Cytogenetics: 16 B4

**Gene Summary:** Mediates selective neuronal growth and axon targeting. Contributes to the guidance of developing axons and remodeling of mature circuits in the limbic system. Essential for normal growth of the hippocampal mossy fiber projection (By similarity).[UniProtKB/Swiss-Prot Function]