

# Active Recombinant Mouse Lair1 protein

**Cat. No.** Obp2a-109M    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Lair1(Ala19-Asp176) was expressed in E. coli.                                                                                                                                                                                             |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                       |
| <b>Source</b>               | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>        | Ala19-Asp176                                                                                                                                                                                                                                                |
| <b>Predicted N Terminal</b> | Ala19                                                                                                                                                                                                                                                       |
| <b>Form</b>                 | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                         |
| <b>Bio-activity</b>         | Measured by its ability to bind all-trans-retinoic acid. The concentration of all-trans-retinoic acid required to quench 50% of Trp fluorescence in Recombinant Mouse Lipocalin-13 is approximately 3-18 µM.                                                |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 18 kDa;SDS-PAGE: 18 kDa, reducing conditions                                                                                                                                                                                      |
| <b>Endotoxin</b>            | <0.10 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                         |
| <b>Purity</b>               | >95%, by SDS-PAGE with silver staining                                                                                                                                                                                                                      |
| <b>Storage</b>              | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile |

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conditions after reconstitution.

**Reconstitution** Reconstitute at 500 µg/mL in PBS.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## GENE INFORMATION

**Gene Name** Obp2a odorant binding protein 2A [ Mus musculus ]

**Official Symbol** Obp2a

**Synonyms** Lcn13; BC027556; epididymal-specific lipocalin-13; lipocalin 13

**Gene ID** 227627

**mRNA Refseq** NM\_153558

**Protein Refseq** NP\_705786

**MIM**

**UniProt ID** Q8K1H9

**Chromosome Location** 2; 2 A3

**Function** molecular\_function

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