

## Recombinant Mouse LSH-A protein(His tag)

Catalog No. PDMM100009

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

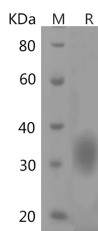
### Description

|                                    |                                                                                                                                                                                                                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                    | Anterior pituitary glycoprotein hormones common subunit alpha;Follicle-stimulating hormone alpha chain;FSH-alpha;Follitropin alpha chain;Luteinizing hormone alpha chain;LSH-alpha;Lutropin alpha chain;Thyroid-stimulating hormone alpha chain;TSH-alpha;Thyrotropin alpha chain |
| <b>Species</b>                     | Mouse                                                                                                                                                                                                                                                                             |
| <b>Expression Host</b>             | HEK293 Cells                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>                    | Met1-Ser120                                                                                                                                                                                                                                                                       |
| <b>Accession</b>                   | P01216                                                                                                                                                                                                                                                                            |
| <b>Calculated Molecular Weight</b> | 13.6 kDa                                                                                                                                                                                                                                                                          |
| <b>Observed molecular weight</b>   | 25 kDa                                                                                                                                                                                                                                                                            |
| <b>Tag</b>                         | C-His                                                                                                                                                                                                                                                                             |
| <b>Bioactivity</b>                 | Not validated for activity                                                                                                                                                                                                                                                        |

### Properties

|                       |                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 85 % as determined by reducing SDS-PAGE.                                                                                                                                                                                            |
| <b>Endotoxin</b>      | Please contact us for more information.                                                                                                                                                                                               |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                       |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual.           |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis                                                                                               |

### Data



> 85 % as determined by reducing SDS-PAGE.

### For Research Use Only

## Background

Shared alpha chain of the active heterodimeric glycoprotein hormones thyrotropin/thyroid stimulating hormone/TSH, lutropin/luteinizing hormone/LH and follitropin/follicle stimulating hormone/FSH. These hormones bind specific receptors on target cells that in turn activate downstream signaling pathways.

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