

## Recombinant Mouse Urad Protein, Myc/DDK-tagged

**Cat. No.** Urad-6854M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length ureidoimidazoline (2-oxo-4-hydroxy-4-carboxy-5) decarboxylase (Urad), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| <b>Species</b>          | Mouse                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                           |
| <b>Description</b>      | Catalyzes the stereoselective decarboxylation of 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazoline (OHCU) to (S)-allantoin                                                           |
| <b>Molecular Mass</b>   | 20 kDa                                                                                                                                                                           |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                      |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                    |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                   |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                 |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                            |

### GENE INFORMATION

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|                        |                                                                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Urad ureidoimidazoline (2-oxo-4-hydroxy-4-carboxy-5) decarboxylase [ Mus musculus (house mouse) ]                                                                                                                                                                                                     |
| <b>Official Symbol</b> | Urad                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | Urad; ureidoimidazoline (2-oxo-4-hydroxy-4-carboxy-5) decarboxylase; Prh; Prhoxnb; EG231903; 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazoline decarboxylase; OHCU decarboxylase; parahox cluster neighbor; parahox neighbor; ureidoimidazoline (2-oxo-4-hydroxy-4-carboxy-5-) decarboxylase; EC 4.1.1.97 |
| <b>Gene ID</b>         | 231903                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_001039678                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_001034767                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>      | Q283N4                                                                                                                                                                                                                                                                                                |

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