

## Recombinant Mouse Ren1 Protein, Myc/DDK-tagged

**Cat. No.** Ren1-5461M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length renin 1 structural (Ren1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. |
| <b>Molecular Mass</b>   | 44.3 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.                                                                                                                                                                                                            |

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## GENE INFORMATION

|                 |                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Ren1 renin 1 structural [ Mus musculus (house mouse) ]                                                                                              |
| Official Symbol | Ren1                                                                                                                                                |
| Synonyms        | REN1; renin 1 structural; renin-1; renin b; kidney renin; aspartyl-protease; angiotensinogenase; Ren; Rnr; Rn-1; Ren-1; Ren-A; Ren1c; Ren1d; D19352 |
| Gene ID         | 19701                                                                                                                                               |
| mRNA Refseq     | NM_031192                                                                                                                                           |
| Protein Refseq  | NP_112469                                                                                                                                           |
| UniProt ID      | P06281                                                                                                                                              |

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