

## 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

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

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