

Recombinant Mouse Ren1 Protein, His-tagged

Cat. No. Ren1-7315M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ren1 protein with a His tag was expressed in insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	22-402
Description	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.
Form	Liquid
Molecular Mass	42.5 kDa
AA Sequence	LPTRTATFERIPLKKMPSVREILEERGVDMLRLSAEWGVFTKRPSLTNLTSPVVLNTY LNTQYYGEIGIGTPPQTFKVIFDTGSANLWVPSTKCSRLYLACGIHSLYESSDSSSYM ENGSDFTIHYGSGRVKGFLSQDSVTVGGITVTQTFGEVTELPFIPMLAKFDGVLGM GFPAQAVGGVTPVFDHILSQGVLEEVFSVYYNRGSHLLGGEVVLGGSDPQHYQG NFHYVSISKTDWQITMKGVSOGSSTLLCEECAVVVDTGSSSFISAPTSSLKLIMQAL GAKEKRIEEYVNCVQVPTLPDISFDLGGGRAYTLSSDYVLQYPNRRDKLCTALHA MDIPPPTGPVWVLGATFIRKFYTEFDRHNNRIGFALARHHHHHH

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Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 95 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.25 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

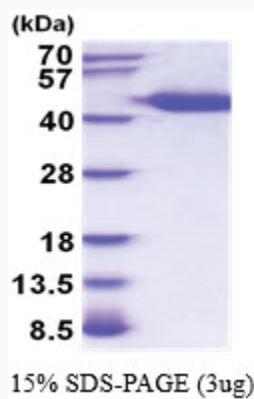
Gene Name	Ren1 renin 1 structural [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ren1
Synonyms	Ren1; renin 1 structural; R; Re; Rn; Ren; Rnr; Rn-1; Ren-1; Ren-A; Ren1c; Ren1d; D19352; renin-1; angiotensinogenase; aspartyl-protease; kidney renin; renin b; EC 3.4.23.15
Gene ID	19701
mRNA Refseq	NM_031192
Protein Refseq	NP_112469
UniProt ID	P06281

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SDS-PAGE



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