

Product datasheet for **TP506310**

Ren1 (NM_031192) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse renin 1 structural (Ren1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206310 protein sequence Red =Cloning site Green =Tags(s)

MDRRRMPLWALLLLWSPCTFSLPTRTATFERIPLKKMPSVREILEERGVDMTRLSAEWGVFTKRPSLTNL
TSPVVLNTYLNQYYGEIGIGTPPQTFKVIKFDGTSANLWVWVSTKCSRLYLACGIHSLYESSDSSSYMENG
SDFTIHYGSGRVKGFSLQDSVTVGGITVTQTFGEVTELPFIMLAKFDGVLGMGFPAQAVGGVTPVFDH
ILSQGVLKEEVFSVYYNRGSHLLGGEVVLGGSDPQHYQGNFHYVSISKTDQSWQITMKGVSVGSSTLLCEE
GCAVVDTGSSSFISAPTSSLKIMQALGAKEKRIEYVWNCVPTLPDISFDLGGRAYTSSSTDYVLQY
PNRRDKLCTLALHAMDIPPTGPVWVLGATFIRKFYTEFDRHNNRIGFALAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	44.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_112469
Locus ID:	19701
UniProt ID:	P06281



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RefSeq Size:	1423
Cytogenetics:	1 57.91 cM
RefSeq ORF:	1209
Synonyms:	D19352; Ren; Ren-1; Ren-A; Ren1c; Ren1d; Rn-1; Rnr
Summary:	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. [UniProtKB/Swiss-Prot Function]