

## Recombinant Rat Anpep protein, His/T7-tagged

**Cat. No.** Anpep-687R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Anpep(Glu290~Pro533) fused with His/T7 tag at N-terminal was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu290~Pro533
<b>Form</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Molecular Mass</b>	31.3kDa
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- E AVSPNRVQIR IWARPSAIDE GHGDYALQVT GPILNFFAQH YNTAYPLEKS DQIALPDFNA GAMENWGLVT YRESALVFDP QSSSISNKER VVTVIAHELA HQWFGNLVTV DWWNDLWLNE GFASYVEFLG ADYAEPTWNL KDLIVLNDVY RVMVDALAS SHPLSSPANE VNTPAQISEL FDSITYSKGA SVLRMLSSFL TEDLFKKGLS SYLHTFQYSN TIYLDLWEHL QQAVDSQTAI KLP
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.

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<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Anpep alanyl (membrane) aminopeptidase [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	Anpep
<b>Synonyms</b>	ANPEP; alanyl (membrane) aminopeptidase; aminopeptidase N; aminopeptidase M; kidney Zn peptidase; alanyl aminopeptidase; kidney aminopeptidase M; microsomal aminopeptidase; leucine arylaminopeptidase 1; membrane alanine aminopeptidase; cluster of differentiation antigen 13 (CD13); Apm; Apn; KZP; AP-M; AP-N; Lap1; rAPN;
<b>Gene ID</b>	81641
<b>mRNA Refseq</b>	NM_031012
<b>Protein Refseq</b>	NP_112274
<b>MIM</b>	
<b>UniProt ID</b>	P15684
<b>Chromosome Location</b>	1q31
<b>Pathway</b>	Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem;

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Hematopoietic cell lineage, conserved biosystem; Metabolic pathways, organism-specific biosystem; Renin - Angiotensin System, organism-specific biosystem; Renin-angiotensin system, organism-specific biosystem;

**Function**

aminopeptidase activity; aminopeptidase activity; metal ion binding; metallopeptidase activity; peptidase activity; peptide binding; zinc ion binding;

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