

Recombinant Rat Anpep protein, His/T7-tagged

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

SPECIFICATION

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

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	Anpep alanyl (membrane) aminopeptidase [<i>Rattus norvegicus</i>]
Official Symbol	Anpep
Synonyms	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;
Gene ID	81641
mRNA Refseq	NM_031012
Protein Refseq	NP_112274
MIM	
UniProt ID	P15684
Chromosome Location	1q31
Pathway	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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