Recombinant Rat Cpa1 protein, His & T7-tagged

Cat. No. Cpa1-1432R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cpa1 aa. (Thr205~Tyr419 (Accession # P00731) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Thr205~Tyr419
Description	Putative carboxypeptidase A protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.7kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

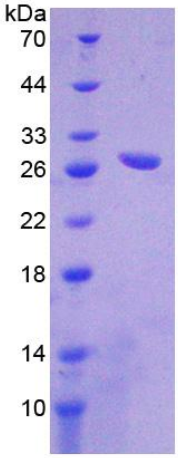
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	at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Cpa1 carboxypeptidase A1 [Rattus norvegicus (Norway rat)]
Official Symbol	Cpa1
Synonyms	Cpa1; carboxypeptidase A1; carboxypeptidase A1 (pancreatic)
Gene ID	24269
mRNA Refseq	NM_016998.3
Protein Refseq	NP_058694.2
UniProt ID	P00731

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SDS-PAGE	 15% SDS-PAGE

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