Recombinant Rat Pam Protein, His-tagged

Cat. No. Pam-1170R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pam Protein (Phe36-Val820) with His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Phe36-Val820
Description	Enables several functions, including metal ion binding activity; peptidylamidoglycolate lyase activity; and peptidylglycine monooxygenase activity. Involved in several processes, including animal organ development; fatty acid primary amide biosynthetic process; and peptide amidation. Located in several cellular components, including perikaryon; secretory granule membrane; and trans-Golgi network. Biomarker of hypothyroidism. Orthologous to human PAM (peptidylglycine alpha-amidating monooxygenase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 77.7 kDa; Accurate Molecular Mass: 88 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

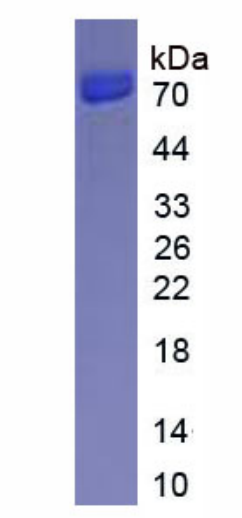
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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pam peptidylglycine alpha-amidating monooxygenase [Rattus norvegicus (Norway rat)]
Official Symbol	Pam
Synonyms	PAM; peptidylglycine alpha-amidating monooxygenase; peptidyl-glycine alpha-amidating monooxygenase;
Gene ID	25508
mRNA Refseq	NM_013000
Protein Refseq	NP_037132
UniProt ID	P14925

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