



EPC744Ra61 100µg

Eukaryotic Peptidylglycine Alpha Amidating Monooxygenase (PAM)

Organism Species: *Rattus norvegicus (Rat)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)



[PROPERTIES]

Source: Eukaryotic expression

Host: 293F Cell

Residues: Phe36~Val820

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Original Concentration: 200 μ g/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.7

Predicted Molecular Mass: 77.7kDa

Accurate Molecular Mass: 88kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C 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.

[SEQUENCE]

FKETT RSFSNECLGT
IGPVTPLDAS DFALDIRMPG VTPKESDTYF CMSMRLPVDE EAFVIDFKPR
ASMDTVHHML LFGCNMPSST GSYWFCDEGT CTDKANILYA WARNAPPTRL
PKGVGFRVGG ETGSKYFVLQ VHYGDISAFR DNHKDCSGVS VHLTRVPQPL
IAGMYLMMSV DTVIPPGEKV VNADISCCQYK MYPMHVFAYR VHTHHLGKVV
SGYRVRNGQW TLIGRQNPQL PQAFYPVEHP VDVTFGDILA ARCVFTGEGR
TEATHIGGTS SDEMCMNYIM YYMEAKYALS FMTCTKNVAP DMFRTIPAEA
NIPIPKPDMM VMMHGHHEA ENKEKSALMQ QPKQGEEEVL EQDFHVEEEL
DWPGVYLLPG QVSGVALDSK NNLVIFHRGD HVWDGNSFDS KFVYQQRGLG
PIEEDTILVI DPNNAEILQS SGKNLFYLPH GLSIDTDGNY WVTDVALHQV
FKLDPHSKEG PLLILGRSMQ PGSDQNHFCQ PTDVAEPST GAVFVSDGYC
NSRIVQFSPS GKFTQWGEE SSGSSPRPGQ FSVPHSLALV PHLDQLCVAD
RENGRIQCFK TDTKEFVREI KHASFGRNVF AISYIPGFLF AVNGKPYFGD
QEPVQGFVMN FSSGEIIDVF KPVRKHFDMP HDIVASEDGT VYIGDAHTNT
VWKFTLTEKM EHRSV

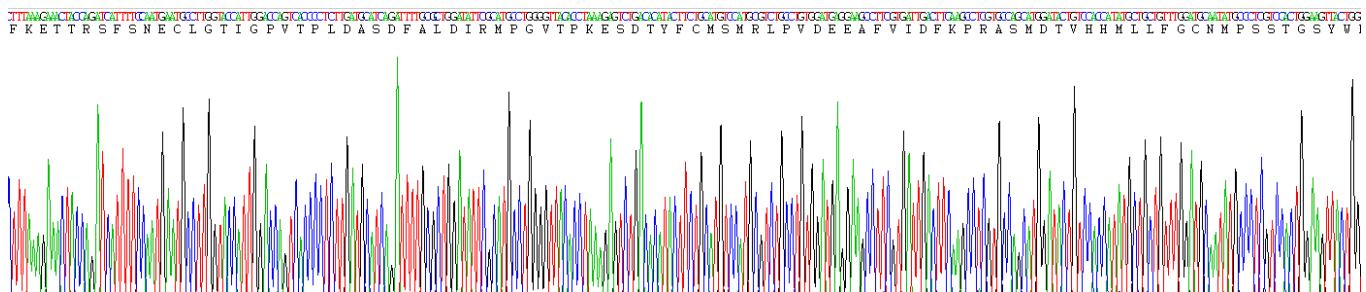
[IDENTIFICATION]

Figure. Gene Sequencing (Extract)

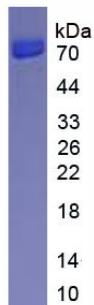


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.