# Eukaryotic Peptidylglycine Alpha Amidating Monooxygenase (PAM) Instruction Manual

### SFPC311Ra61

#### Rattus norvegicus (Rat)

**Source** Eukaryotic expression

Host 293F Cell

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

Subcellular LocationCytoplasmPredicted Molecular Mass77.7kDa

Accurate Molecular Mass 88kDa(Analysis of differences refer to the manual)

**Residues & Tags** Phe36~Val820 with N-terminal His Tag

Buffer Formulation 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA,

1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Traits** Freeze-dried powder

Purity > 95% Isoelectric Point 5.7

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

#### **SEQUENCE**

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

#### USAGE

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

#### **STORAGE**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

#### STABILITY

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.

#### **Image**

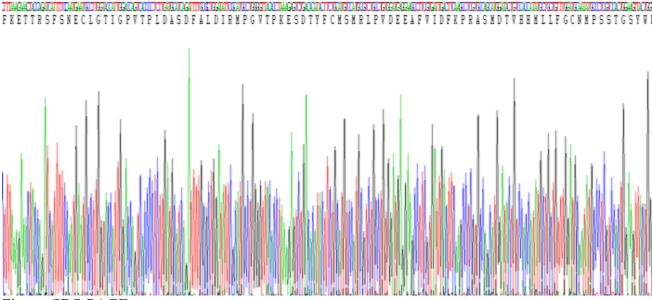


Figure. SDS-PAGE

## [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.