Recombinant Peptidylglycine Alpha Amidating Monooxygenase (PAM)

Catalog # IC8744Hu01

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Organism Species: *Homo sapiens (Human)*

Residues: Phe21~Cys288

Tags: N-terminal His-Tag

Tissue Specificity: Thyroid carcinoma, Heart, Thalamus, Lung, Kidney.

Subcellular Location: Membrane. Secreted.

Purity: >94%

Traits: Freeze-dried powder

Buffer formulation: 100mM $NaHCO_3$, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 8.8

Predicted Molecular Mass: 33.7kDa

Accurate Molecular Mass: 34kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 100mM $NaHCO_3$, 500mM NaCl (pH8.3) 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]

FRSPLSVFKR FKETTRPFSN ECLGTTRPVV
PIDSSDFALD IRMPGVTPKQ SDTYFCMSMR IPVDEEAFVI DFKPRASMDT
VHHMLLFGCN MPSSTGSYWF CDEGTCTDKA NILYAWARNA PPTRLPKGVG
FRVGGETGSK YFVLQVHYGD ISAFRDNNKD CSGVSLHLTR LPQPLIAGMY
LMMSVDTVIP AGEKVVNSDI SCHYKNYPMH VFAYRVHTHH LGKVVSGYRV
RNGQWTLIGR QSPQLPQAFY PVGHPVDVSF GDLLAARC

[IDENTIFICATION]

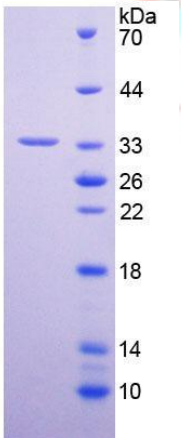

Figure 1. SDS-PAGE