

Recombinant Rat PAM Protein

Product Manual

1. Product Basic Information

Product No.: REP07727

Protein Name: Pam-Peptidylamidoglycolate Lyase (PAM)

Aliases: PAL; PHM; PAM-peptidylamidoglycolate lyase; peptidylglycine 2-hydroxylase; peptidyl alpha-amidating enzyme; peptidylglycine alpha-amidating monooxygenase; peptidyl-glycine alpha-amidating monooxygenas...

UniProt ID: P19021

UniProt Link: <https://www.uniprot.org/uniprotkb/P19021/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: Mammalian cell

Protein Length: Partial (36-820aa)

Molecular Weight: 90.4 kDa

Protein Tag: C-terminal 8xHis-tagged

2. Amino Acid Sequence (36-820aa)

FKETTRSFSNECLGTIGPVTPLDASDFALDIRMPGVTPKESDTYFCMSMRLPVDEEA
FVIDFKPRASMDTVHHMLLFGCNMPSSTGSYWFCDEGTCTDKANILYAWARNAPP
TRLPKGVGFRVGGGETGSKYFVLQVHYGDISAFRDNHKDCSGVSVHLTRVPQPLIAG
MYLMMSVDTVIPPGEKVVNADISCQYKMYPMHVFAYRVHTHHLGKVVSGYRVRNG
QWTLIGRQNPQLPQAFYPVEHPVDVTFGDILAARCVFTGEGRTEATHIGGTSSDEM
CNLYIMYYMEAKYALSFMCTCKNVAPDMFRTIPAEANIPIPKPDMVMMHGHHEA
ENKEKSALMQQPKQGEEVLEQGFYSLLSKLLGEREDVHVHKYNPTEKTESGSD
LVAEIANVVQKDLGRSDAREGAEHEEWGNAILVRDRIHRFHQLESTLRPAESRAF
SFQQPGEGPWEPEPSGDFHVEEELDWPGVYLLPGQVSGVALDSKNNLVIFHRGD
HVWDGNSFDSKFVYQQRGLGPIEEDTILVIDPNNAILQSSGKNLFYLPGLSIDTD
GNYWVTDVALHQVFKLDPHSKEGPLLILGRSMQPGSDQNHFCQPTDVAVEPSTGA
VFVSDGYCNSRIVQFSPSGKFVTQWGEESGSSPRPGQFSVPHSLALVPHLDQLC
VADRENGRIQCFTDTKEFVREIKHASFGRNVFAISYIPGFLFAVNGKPYFGDQEPV
QGFMNFSSGEIIDVFKPVRKHFDMPHDIVASEDGTVYIGDAHTNTVWKFTLTKEME
HRSV



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Rat PAM partial protein (36-820aa) expressed in Mammalian cell. The protein is with 8xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PAM, also known as PAL or PHM or PAM-peptidylamidoglycolate lyase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.