SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human PAM (Peptidylglycine alpha-amidating monooxygenase) expressed by *in vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP1002X**
This product is for research use only and is not intended for diagnostic use.

This product is a 120.89 kDa Human PAM membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
PAM

Protein Length
Full-length

Molecular Weight
120.89 kDa

TMD
1

Sequence
MAGRVPSLLVLLVFPSSCLAFRSPLSVFKRFKETTRPFSNECLGTTRPVVPIDSSDFALDIRMPGVTPKQSDTYFCMSMRIPVDEEAI

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

PAM

Full Name

Peptidylglycine alpha-amidating monooxygenase

Introduction

This gene encodes a multifunctional protein. The encoded preproprotein is proteolytically processed to generate the mature enzyme. This enzyme includes two domains with distinct catalytic activities, a peptidylglycine alpha-hydroxylating monooxygenase (PHM) domain and a peptidyl-alpha-hydroxyglycine alpha-amidating lyase (PAL) domain. These catalytic domains work sequentially to catalyze the conversion of neuroendocrine peptides to active alpha-amidated products. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.

Alternative Names

PAL; PHM; peptidyl-glycine alpha-amidating monooxygenase; pancreatic peptidylglycine alpha-amidating monooxygenase; peptidyl alpha-amidating enzyme; peptidyl-alpha-hydroxyglycine alpha-amidating lyase; peptidylamidoglycolate lyase; peptidylglycine 2-hydroxylase; peptidylglycine alpha-hydroxylating monooxygenase

Gene ID

5066

UniProt ID

P19021