

Product datasheet for PH302074

PAM (NM_138821) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PAM MS Standard C13 and N15-labeled recombinant protein (NP_620176)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202074
Predicted MW:	96.3 kDa
Protein Sequence:	>RC202074 protein sequence Red=Cloning site Green=Tags(s)

MAGRVPSSLVLLVFPSSCLAFRSPLSVFKRFKETTRPFSNECLGTRPVVPIDSSDFALDIRMPGVTPKQ
SDTYFCMSMRIPVDEEAFVIDFKPRASMDTVHHMLLFGCNMPSSTGSYWFCEGTCTDKANILYAWARNA
PPTRLPGKGVGFRVGGGETGSKYFVLQVHYGDISAFRDNNKDCSGVSLHLTRLPQPLIAGMYLMMSVDTVIP
AGEKVVNSDISCHYKNYPMHVFA YRVHTHHLGKVVSGYRVRNGQWTLIGRQSPQLPQAFYVPGHPVDVSF
GDLLAARCVFTGEGRTEATHIGGTSSDEMCLYIMYYMEAKHAVSFMTCTQNVAPDMFRTIPPEANIPIPI
VKSDMVMMEHHKETEYKDKIPLLQQPKREEEVLDQDFHMEALDWPGVYLLPGQVSGVALDPKNNLVI
FHRGDHVDGNSFDSKFVYQQIGLGP I EEDTILVIDPNNAAVLQSSGKNLFYLP HGLSIDKDGNYWVTDV
ALHQVFKLDPNNKEGPVLILGRSMQPGSDQNHFCQPTDVAVDPGTGAIYVSDGYCNSRIVQFSPSGKFIT
QWGEESGSSPLPGQFTVPHSLALVPLLQQLCVADRENGRIQCFTDITKEFVREIKHSSFGRNVFAISYI
PGLLFAVNGKPHFGDQEPVQGFVMNFSNGEIIDIFKPVKHFDMPHDIVASEDGTYYIGDAHTNTVWKF
LTKLEHRSYKAGIEVQEIKEAEAVVETKMNKPTSSSELQKMQEKLKEPGSGVPVLLITLLVIPV
VLLAIAIFIRWKKSRAFGDSEHKLETSSGRVLGRFRGKSGGLNLGNFFASRKGYSRKGFDRLESTEGSD
QEKEDDGSESEEEYSAPLPALAPSS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_620176](#)

RefSeq Size: 5035

RefSeq ORF: 2598

Synonyms: PAL; PHM

Locus ID: 5066

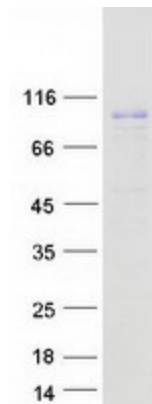
UniProt ID: [P19021](#)

Cytogenetics: 5q21.1

Summary: 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. [provided by RefSeq, Jan 2016]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified PAM protein (Cat# [TP302074]). The protein was produced from HEK293T cells transfected with PAM cDNA clone (Cat# [RC202074]) using MegaTran 2.0 (Cat# [TT210002]).