

Product datasheet for PH314837

PGPEP1 (NM_017712) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PGPEP1 MS Standard C13 and N15-labeled recombinant protein (NP_060182)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214837
Predicted MW:	23 kDa
Protein Sequence:	>RC214837 representing NM_017712 Red=Cloning site Green=Tags(s) MEQPRKAVVVTGFGPFGEHTVNASWIAVQELEKLGSDSVDLHVYEIPVEYQTVQRLIPALWEKHSPQLV VHVGVSGMATTVTLEKCGHNKGYKGLDNCRFCPGSQCCVEDGPESIDSIIDMDAVCKRVTTLLGLDVSVTI SQDAGRYLCDFTYYTSLYQSHGRSAFVHVPPLGKPYNADQLGRALRAIEEMLDLLEQSEGKINYCHKH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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.
RefSeq:	NP_060182
RefSeq Size:	2239
RefSeq ORF:	627
Synonyms:	PAP-I; Pcp; PGI; PGP; PGP-I; PGPI
Locus ID:	54858
UniProt ID:	Q9NXJ5



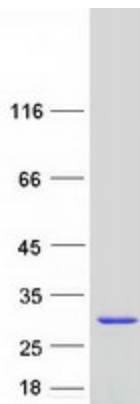
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Cytogenetics: 19p13.11

Summary: The gene encodes a cysteine protease and member of the peptidase C15 family of proteins. The encoded protein cleaves amino terminal pyroglutamate residues from protein substrates including thyrotropin-releasing hormone and other neuropeptides. Expression of this gene may be downregulated in colorectal cancer, while activity of the encoded protein may be negatively correlated with cancer progression in colorectal cancer patients. Activity of the encoded protease may also be altered in other disease states including in liver cirrhosis, which is associated with reduced protease activity, and in necrozoospermia, which is associated with elevated protease activity. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified PGPEP1 protein (Cat# [TP314837]). The protein was produced from HEK293T cells transfected with PGPEP1 cDNA clone (Cat# [RC214837]) using MegaTran 2.0 (Cat# [TT210002]).