

Product datasheet for PH309009

PM20D1 (NM_152491) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PM20D1 MS Standard C13 and N15-labeled recombinant protein (NP_689704)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209009
Predicted MW:	55.8 kDa
Protein Sequence:	>RC209009 protein sequence Red=Cloning site Green=Tags(s)

MAQRCVCLVALVAMLLLVFPTVSRSMGPRSGEHQASRIPSQFSKEERVAMKEALKGAIQIPTVTFSSSEK
SNTTALAEFGKYIHKVFPTVVSTSFIQHEVVEEYSHLFTIQGSDPSLQPYLLMAHFDVVPAPEEGWEVPP
FSGLERDGVYIGWGLDDKNSVMALLQALELLLIRKYIPRRSFFISLGHDEESSGTGAQRISALLQSRGV
QLAFIVDEGGFILDFFIPNFKPIALIAVSEKGSMLMLQVNMSTSGHSSAPPKETSIGILAAAVSRLEQT
PMPIIFGSGTVVTVLQQLANEFPPVNIILSNPWLFEPLISRFMERNPLTNAIIRTTTALTIKAGVKFN
VIPPVAQATVNFRIHPGQTVQEVLELTKNIVADNRVQFHVLSAFDPLPVSPSDDKALGYQLLRQTVQSVF
PEVNITAPVTSIGNTDSRFFTNLTGTIYRFYPIYIQPEDFKRIHGVNEKISVQAYETQVKFIFELIQNAD
TDQEPVSHLHKL

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

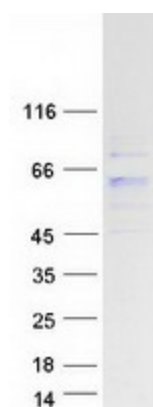
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_689704</u>
RefSeq Size:	2200
RefSeq ORF:	1506



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Synonyms:	Cps1
Locus ID:	148811
UniProt ID:	<u>Q6GTS8</u>
Cytogenetics:	1q32.1
Summary:	Bidirectional N-fatty-acyl amino acid synthase/hydrolase that regulates the production of N-fatty-acyl amino acids. These metabolites are endogenous chemical uncouplers of mitochondrial respiration. In an UCP1-independent manner, maybe through interaction with mitochondrial transporters, they promote proton leakage into the mitochondrial matrix. Thereby, this secreted protein may indirectly regulate the bodily dissipation of chemical energy as heat through thermogenic respiration.[UniProtKB/Swiss-Prot Function]
Protein Families:	Transmembrane

Product images:



Coomassie blue staining of purified PM20D1 protein (Cat# [TP309009]). The protein was produced from HEK293T cells transfected with PM20D1 cDNA clone (Cat# [RC209009]) using MegaTran 2.0 (Cat# [TT210002]).