

Product datasheet for PH321260

ZGPAT (NM_181485) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ZGPAT MS Standard C13 and N15-labeled recombinant protein (NP_852150)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221260
Predicted MW:	55.6 kDa
Protein Sequence:	>RC221260 protein sequence Red=Cloning site Green=Tags(s)

MDEESLESALQTYRAQLQQVELALGAGLDSSEQADLRQLQGDLELIELTEASLVSVRKSRLLAALDEER
PGRQEDAEYQAFREAITTEAVEAPAAARGSGSETVPKAEAGPESAAGGQEEEEGEDEEELSGTKVSAPYYS
SWGTLLEYHNAMVVGTEEAEDGSAGVRVLYLPTKSLKPCPFLEGGKCRFKENCRFVSHGQVYVSLDELRF
QDPDLSSLQAGSACLAKHQDGLWHAARITDVDNGYTYVKFDSLRLREAVVEGDGILPPLRTEATESDSDS
DGTGDSSYARVVGSDAVDSGTCSAFAGWEVHTRGIGSRLLTKMGYEFKGLGRHAEGRVEPIHAVVLP
GKSLDQCVETLQKQTRVGKAGTNKPPRCRGRGARPGRPAPRNVDFLNEKLQGGAPGALEAGAAPAGRR
SKDMYHASKSAKRALSRLRFQTEEKIERTQRDIRSIQEALARNAGRHSVASAQLQEKLAGAQRQLGQLRA
QEAGLQQEQRKADTHKKMTEF

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- 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_852150</u>
RefSeq Size:	1898
RefSeq ORF:	1533



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Synonyms: GPATC6; GPATCH6; KIAA1847; ZC3H9; ZC3HDC9; ZIP

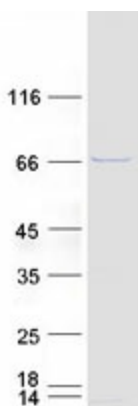
Locus ID: 84619

UniProt ID: [Q8N5A5](#), [A0A0S2Z5X3](#)

Cytogenetics: 20q13.33

Summary: Transcription repressor that specifically binds the 5'-GGAG[GA]A[GA]A-3' consensus sequence. Represses transcription by recruiting the chromatin multiprotein complex NuRD to target promoters. Negatively regulates expression of EGFR, a gene involved in cell proliferation, survival and migration. Its ability to repress genes of the EGFR pathway suggest it may act as a tumor suppressor. Able to suppress breast carcinogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ZGPAT protein (Cat# [TP321260]). The protein was produced from HEK293T cells transfected with ZGPAT cDNA clone (Cat# [RC221260]) using MegaTran 2.0 (Cat# [TT210002]).