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Product datasheet for PH301677

LANPL (ANP32E) (NM_030920) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ANP32E MS Standard C13 and N15-labeled recombinant protein (NP_112182)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201677
Predicted MW:	30.7 kDa
Protein Sequence:	>RC201677 protein sequence Red=Cloning site Green=Tags(s) MEMKKKINLELRNRSPEEVTELVLDNCLCVNGEIEGLNDTFKELEFLSMANVELSSLARLPSLNKLRKLE LSDNIISGGLEVLAEKCPNLTYLNLSGNKIKDLSTVEALQNLKNLKSLDLFNCEITNLEDYRESIFELLQ QITYLDGFDQEDNEAPDSEEEDDEDGDEDDEEEEENEAGPPEGYEEEEEEEEEDEDEDEDEDEAGSELG EGEEEVGLSYLMKEEIQDEEDDDDYVEEGEEEEEEEEGGLRGEKRKRDAEDDGEEEDD 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_112182
RefSeq Size:	3467
RefSeq ORF:	804
Synonyms:	LANP-L; LANPL
Locus ID:	81611
UniProt ID:	Q9BTT0

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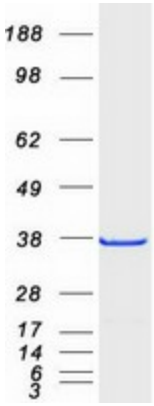
Cytogenetics: 1q21.2

Summary: Histone chaperone that specifically mediates the genome-wide removal of histone H2A.Z/H2AFZ from the nucleosome: removes H2A.Z/H2AFZ from its normal sites of deposition, especially from enhancer and insulator regions. Not involved in deposition of H2A.Z/H2AFZ in the nucleosome. May stabilize the evicted H2A.Z/H2AFZ-H2B dimer, thus shifting the equilibrium towards dissociation and the off-chromatin state (PubMed:24463511). Inhibits activity of protein phosphatase 2A (PP2A). Does not inhibit protein phosphatase 1. May play a role in cerebellar development and synaptogenesis.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ANP32E protein (Cat# [TP301677]). The protein was produced from HEK293T cells transfected with ANP32E cDNA clone (Cat# [RC201677]) using MegaTran 2.0 (Cat# [TT210002]).