

Product datasheet for PH301047

CENPM (NM_024053) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CENPM MS Standard C13 and N15-labeled recombinant protein (NP_076958)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201047
Predicted MW:	19.7 kDa
Protein Sequence:	>RC201047 protein sequence Red=Cloning site Green=Tags(s) MSVLRPLDKLPGLNTATILLVGTEDALLQQLADSMKEDCASELKVHLAKSLPLPSSVNRPRIDLIVFVV NLHSKYSLQNTTEESLRHVDASFFLGKVCFLATGAGRESHCSIHRHTVVVLAHTYQSPLLYCDLEVEGFRA TMAQRLVRVLQICAGHVPGVSA L NLLSLLRSSEGPSLEDL 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- 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_076958
RefSeq Size:	947
RefSeq ORF:	540
Synonyms:	C22orf18; CENP-M; PANE1
Locus ID:	79019
UniProt ID:	Q9NSP4 , A0A024R1Q3



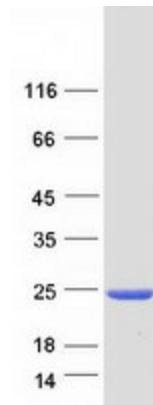
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Cytogenetics: 22q13.2

Summary: The protein encoded by this gene is an inner protein of the kinetochore, the multi-protein complex that binds spindle microtubules to regulate chromosome segregation during cell division. It belongs to the constitutive centromere-associated network protein group, whose members interact with outer kinetochore proteins and help to maintain centromere identity at each cell division cycle. The protein is structurally related to GTPases but cannot bind guanosine triphosphate. A point mutation that affects interaction with another constitutive centromere-associated network protein, CENP-I, impairs kinetochore assembly and chromosome alignment, suggesting that it is required for kinetochore formation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified CENPM protein (Cat# [TP301047]). The protein was produced from HEK293T cells transfected with CENPM cDNA clone (Cat# [RC201047]) using MegaTran 2.0 (Cat# [TT210002]).