

Product datasheet for PH300694

PCLAF (NM_014736) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KIAA0101 MS Standard C13 and N15-labeled recombinant protein (NP_055551)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200694
Predicted MW:	12 kDa
Protein Sequence:	>RC200694 protein sequence Red =Cloning site Green =Tags(s) MVRTKADSVPGTYRKVVAARAPRKVLGSSTSATNSTSVSSRKAENKYAGGNPVCVRPTPKWQKIGIEFFR LSPKDSEKENQIPEEAGSSGLGKAKRKACPLQPDHTNDEKE 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_055551
RefSeq Size:	1515
RefSeq ORF:	333
Synonyms:	KIAA0101; L5; NS5ATP9; OEATC; OEATC-1; OEATC1; p15(PAF); p15/PAF; p15PAF; PAF; PAF15
Locus ID:	9768
UniProt ID:	Q15004
Cytogenetics:	15q22.31



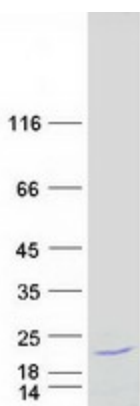
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Summary:

PCNA-binding protein that acts as a regulator of DNA repair during DNA replication. Following DNA damage, the interaction with PCNA is disrupted, facilitating the interaction between monoubiquitinated PCNA and the translesion DNA synthesis DNA polymerase eta (POLH) at stalled replisomes, facilitating the bypass of replication-fork-blocking lesions. Also acts as a regulator of centrosome number.[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Product images:

Coomassie blue staining of purified PCLAF protein (Cat# [TP300694]). The protein was produced from HEK293T cells transfected with PCLAF cDNA clone (Cat# [RC200694]) using MegaTran 2.0 (Cat# [TT210002]).