

Product datasheet for PH315423

DAP Kinase 1 (DAPK1) (NM_004938) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DAPK1 MS Standard C13 and N15-labeled recombinant protein (NP_004929)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215423
Predicted MW:	159.9 kDa
Protein Sequence:	>RC215423 representing NM_004938 Red=Cloning site Green=Tags(s)

MTVFRQENVDDYYDTGEELGSGQFAVVKKCREKSTGLQYAAKFIKKRRTKSSRRGVSREDIEREVSILKE
IQHPNVITLHEVYENKTDVILILELVAGGELFDFLAEKESL TEEEA TEFLKQILNGVYYLHSLQIAHFDL
KPENIMLLDRNVPKPRIKIIDFGLAHKIDFGNEFKNIFGTPEFVAPEIVNYEPLGLEADMWSIGVITYIL
LSGASPF LGDTKQETLANVSAVNYE FEDEYF SNTSALAKDF IRRLLVKDKPKRMTIQDSLQHPWIKPKDT
QQALSRKASAVNMEKFKKFAARKKWKQSVRLISLCQRLSRSF LSRSNMSVARSDDTLDEEDSFVMKAIH
AINDDNVPLQHLLGSLSNYDVNPKNKHGTPPLLIAAGCGNIQILQLLIKRGSRIDVQDKGGSNAVYWAA
RHGHVDTLKFLSENKCPLDVKDKSGEMALHVAARYGHADVAQLLCSFGSNPNIQDKEEETPLHCAAWHGY
YSVAKALCEAGCNVNIKNREGETPLL TASARGYHDIVECLAHEGADLNACDKDGHIALHLAVRRQCMEVI
KTLLSQGCFVDYQDRHGNTPLHVACKDGNMPIVVALCEANCNLDISNKYGRTPHLAANNGILDVVRYLC
LMGASVEALTTDGKTAEDLARSEQHEHVAGLLARLRKDRHGLFIQQLRPTQNLQPRIKLLKFGHSGSGK
TTLVESLKCGLLRSFFRRRRPRLSSTNSRFPSPPLASKPTVSVSINNL YPGCENSVSRSRMMFEPGLT
KGMLEVFVAPTHHPHCSADDQSTKAIDIQNAYLNGVGD FSVWEFSGNPVYFCYDYFAANDPTSIHVVVF
SLEEPEIQLNQVIFWLSFLKSLVPVEEPIAFGGKLNPLQVVLVATHADIMNVPRPAGGEFGYDKDTSL
LKEIRNRF GNDLHISNKLFLVDAGASGSKDMKVLRNHLQEIRSQIVSVCPPMTHLCEKIIISTLPSWRKLN
GPNQLMSLQQFVYDVQDQLNPLASEEDLRRIAQQLHSTGEINIMQSETVQDVLLLDPRWLCTNVLGKLLS
VETPRALHHYRGRYTVEDIQRLVPDSDVEELLQILDAMDICARDLSSGTMVDVPALIKTDNLHRSWADEE
DEVMYGGVRIVPVEHLTPFPCGIFHKVQVNLCRWIHQQSTEGDADIRLWVNGCKLANRGAELLVLLVNH
GQGIQVVRGLETEKIKCCLLLDSVCSTIENVMATTL PGLLTVKHYLSPQQLREHHEPVMIYQPRDFRA
QTLKETS LTNTMGYKESFSSIMCFGCHDVYSQASLGMDIHASDLNLLTRRKL SRLLDPPDPLGKDWCLL
AMNLGLPDLVAKYNTNNGAPKDFLPSPLHALLREWTTYPESTVGTLM SKLRELGRRAADFLKASSVFK
INLDGNGQEAYASSCNSGTSYNSISSVSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

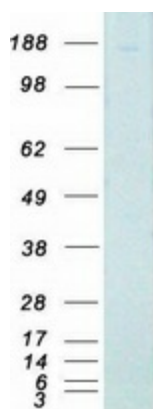
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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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:	NP_004929
RefSeq Size:	5910
RefSeq ORF:	4290
Synonyms:	DAPK; ROCO3
Locus ID:	1612
UniProt ID:	P53355 , B4DHI4
Cytogenetics:	9q21.33
Summary:	Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Bladder cancer, Pathways in cancer

Product images:



Coomassie blue staining of purified DAPK1 protein (Cat# [TP315423]). The protein was produced from HEK293T cells transfected with DAPK1 cDNA clone (Cat# [RC215423]) using MegaTran 2.0 (Cat# [TT210002]).