

Product datasheet for TP315423L

DAP Kinase 1 (DAPK1) (NM_004938) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human death-associated protein kinase 1 (DAPK1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215423 representing NM_004938 Red =Cloning site Green =Tags(s)

MTVFRQENVDDYYDTGEELGSGQFAVVKCKREKSTGLQYAAKFIKKRRTKSSRRGVSREDIEREVSILKE
IQHPNVITLHEVYENKTDVILILELVAGGELDFLAEKESLTEEEATEFLKQILNGVYYLHSLQIAHFDL
KPENIMLLDRNVPKPRIKIDFGLAHKIDFGNEFKNIFGTPEFVAPEIVNYEPLGLEADMWSIGVITYIL
LSGASPFLGDTKQETLANVSAVNYEFEDEYFSNTSALAKDFIRLLLVKDPKKRMTIQDSLQHPWIKPKDT
QQALS RKASAVNMEKFKKFAARKKWKQSVRLISLCQRLSRSFLSRNSMSVARSDDTLDEEDSFVMKAIH
AINDDNVPGLQHLLGSLSNYDVNQPNKHGTPPLLIAAGCGNIQILQLLIKRGSRIDVQDKGGSNAVYWAA
RHGHVDTLKFLENKCPDVDKDKSGEMALHVAARYGHADVAQLLCSFGSNPNIQDKEEETPLHCAAWHG
YSVAKALCEAGCNVNIKNREGETPLLTASARGYHDIVECLAEHGADLNACDKDGHIALHLAVRRCQMEVI
KTLLSQGCFVDYQDRHGNTPLHVACKDGNMPIVVALCEANCNLDISNKYGRTPHLAANNGILDVVRYL
LMGASVEALTTDGKTAEDLARSEQHEHVAGLLARLRKDTHRGLFIQQLRPTQNLQPRIKLLFGHSGSGK
TTLVESLKCGLLRSFFRRRRPRLSSTNSSRFPPSPASKPTVSVSINNLPGCENSVRSRSMMPFEGLT
KGMLEVFVAPTHHPHCSADDQSTKAIDIQNAYLNGVGFDFSVWVWFSGNPVYFCCYDYFAANDPTSIIHVVV
SLEEPYEQINQVIFWLSFLKSLVPVEEPIAFGGKLNPLQVVLVATHADIMNVPRPAGGEFGYDKDTS
LKEIRNRFGNDLHISNKLFLVDAGASGSKDMKVLNRNHLQEIRSQIVSVCPPMTHLCEKIISTLPSWRKLN
GPNQLMSLQQFVYDVQDQLNPLASEEDLRRIAQQLHSTGEINIMQSETVQDVLLDPRWLCTNVLGKLLS
VETPRALHHYRGRYTVEDIQRLVPDSDVEELLQILDAMDICARDLSSGTMVDVPALIKTDNLHRSWADEE
DEVMMVYGGVRIVPVEHLTPFCGIFHKVQVNLCRWIHQSTEGDADIRLWVNGCKLANRGAELLVLLVNH
GQGIEVQVRGLETEKIKCCLLLDSVCSTIENVMATTLPGLLTVKHYSPPQLREHHEPVMIIYQPRDFFR
QTLKETSNTMGGYKESFSSIMCFGCHDVYSQASLGMDIHASDLNLLTRRKLRLDPPDPLGKDWCLL
AMNLGLPDLVAKYNTNNGAPKDFLPSPLHALLREWTTYPESTVGTLM SKLRELGRRAADFLLKASSVFK
INLDGNGQEAYASSCNSGTSYNSISSVWSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

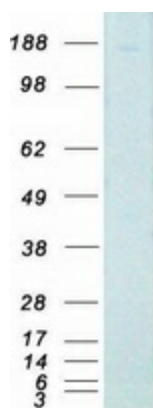
Tag:	C-Myc/DDK
Predicted MW:	159.9 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004929
Locus ID:	1612
UniProt ID:	P53355 , B4DHI4
RefSeq Size:	5910
Cytogenetics:	9q21.33
RefSeq ORF:	4290
Synonyms:	DAK; ROCO3
Summary:	Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAK1 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 DAK1 protein (Cat# [TP315423]). The protein was produced from HEK293T cells transfected with DAK1 cDNA clone (Cat# [RC215423]) using MegaTran 2.0 (Cat# [TT210002]).