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Product datasheet for TP505712

Dapk2 (NM_010019) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse death-associated protein kinase 2 (Dapk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205712 protein sequence Red=Cloning site Green=Tags(s) MVQASMRSPNMETFKQQKVEDFYDIGEELGSGQFAIVKKCREKSTGLEYAAKFIKKRQSRASRRGVCREE IEREVSILRQVLHPNIITLHDVYENRTDVVLILELVSGGELFDFLAQKESLSEEEATSFIKQILDGVNYL HTKKIAHFDLKPENIMLLDKNIPIPHIKLIDFGLAHEIEDGVEFKNIFGTPEFVAPEIVNYEPLGLEADM WSIGVITYILLSGASPFLGDTKQETLANITAVSYDFDEEFFSQTSELAKDFIRKLLVKETRKRLTIQEAL RHPWITPVDTQQAMVRRESVVNLENFKKQYVRRRWKLSFSIVSLCNHLTRSLMKKVHLRTSEDLRNCESD TEENIARRKALHPRRRSSTS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	42.8 kDa
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
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 after receiving vials.
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_034149
Locus ID:	13143
UniProt ID:	Q8VDF3

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RefSeq Size:	1792
Cytogenetics:	9 35.75 cM
RefSeq ORF:	1113
Summary:	Calcium/calmodulin-dependent serine/threonine kinase involved in multiple cellular signaling pathways that trigger cell survival, apoptosis, and autophagy. Capable of regulating both type I apoptotic and type II autophagic cell death signals. The former involves caspase activation, chromatin and mitochondrial condensation while the latter involves caspase-independent cell death in conjunction with accumulation of mature autophagic vesicles, plasma membrane blebs, and nuclear condensation without DNA degradation. Mediator of anoikis and a suppressor of beta-catenin-dependent anchorage-independent growth of malignant epithelial cells. May play a role in granulocytic maturation (By similarity). Regulates granulocytes motility by controlling cell spreading and polarization (PubMed:24163421).[UniProtKB/Swiss-Prot Function]