

Product datasheet for **TP506874**

Stk24 (NM_145465) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse serine/threonine kinase 24 (Stk24), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206874 protein sequence Red =Cloning site Green =Tags(s)
	 MAHSPVQSGLPGMQNLKADPEELFTKLEKIGKGSFGEVFKGIDNRTQKVAIKIIDLEEADEIEDIQQE ITVLSQCDSPLYVTKYGYSYLDTKLWIIMEYLGSGSALDLLEPGPLDEIQIATILREILKGLDYHSEKK IHRDIKAANVLLSEHGVEKLDVAGVAGQLTDTQIKRNTFVGTPFWMAPEVIKQSAYDSKADIWSLGITAI ELAKGEPHSELHPMKVFLIPKNNPPTLEGNYSKPLKEFVEACLNKEPSFRPTAKELLKHKFIIRNAKK TSYLTELIDRYKRWKAEQSHEDSSSEDSVETDGGQASGSDSGDWIFTIREKDPKNLENGTLQLSDLERN KMKDIPKRPFSQCLSTIISPLFAELKEKSQACGGNLGSIIEELRGAIYLAEACPGISDTMVAQLVQRLQR YLSGGGASAH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	48 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_663440
Locus ID:	223255



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UniProt ID: [Q99KH8](#), [Q3U335](#)

RefSeq Size: 2575

Cytogenetics: 14 64.95 cM

RefSeq ORF: 1296

Synonyms: 1810013H02Rik; C76483; MST-3; Mst3; STE20

Summary: Serine/threonine-protein kinase that acts on both serine and threonine residues and promotes apoptosis in response to stress stimuli and caspase activation. Mediates oxidative-stress-induced cell death by modulating phosphorylation of JNK1-JNK2 (MAPK8 and MAPK9), p38 (MAPK11, MAPK12, MAPK13 and MAPK14) during oxidative stress. Plays a role in a staurosporine-induced caspase-independent apoptotic pathway by regulating the nuclear translocation of AIFM1 and ENDOG and the DNase activity associated with ENDOG. Phosphorylates STK38L on 'Thr-442' and stimulates its kinase activity. In association with STK26 negatively regulates Golgi reorientation in polarized cell migration upon RHO activation. Regulates also cellular migration with alteration of PTPN12 activity and PXN phosphorylation: phosphorylates PTPN12 and inhibits its activity and may regulate PXN phosphorylation through PTPN12. Acts as a key regulator of axon regeneration in the optic nerve and radial nerve (By similarity).[UniProtKB/Swiss-Prot Function]