

Product datasheet for TP504452

Nek6 (NM_001159631) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse NIMA (never in mitosis gene a)-related expressed kinase 6 (Nek6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204452 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAGQPSHMPHGGSPNHLCHALGPAPPPDPQRLPNTLSFRCSLADFQIEKKIGRGQFSEVYKATCLLDRKT VALKKVQIFEMMDAKARQDCVKEIGLLKQLNHPNIIKYLDSFIEDNELNIVLELADAGDLSQMIKYFKKQ KRLIPERTVWKYFVQLCSAVEHMHSSRRVMHRDIKPANVFITATGIVKLGDLGLGRFFSSETTAAHSLVGT PYYMSPERIHENGYNFKSDIWSLGCCLLYEMAALQSPFYGDKMNLFSLCQKIEQCDYPPPLPGEHYSEKLR LVSMCIYPPDHRPDIVYVHQVARQMHWTSST</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	35.7 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:	<u>NP_001153103</u>
Locus ID:	59126
UniProt ID:	<u>Q9ES70</u>



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RefSeq Size: 3175

Cytogenetics: 2 24.41 cM

RefSeq ORF: 942

Synonyms: 1300007C09Rik

Summary: Protein kinase which plays an important role in mitotic cell cycle progression. Required for chromosome segregation at metaphase-anaphase transition, robust mitotic spindle formation and cytokinesis. Phosphorylates ATF4, CIR1, PTN, RAD26L, RBBP6, RPS7, TRIP4, RPS6KB1 and histones H1 and H3. Phosphorylates KIF11 to promote mitotic spindle formation. Involved in G2/M phase cell cycle arrest induced by DNA damage. Inhibition of activity results in apoptosis. May contribute to tumorigenesis by suppressing p53/TP53-induced cancer cell senescence (By similarity). Phosphorylates STAT3.[UniProtKB/Swiss-Prot Function]