

Myelin Basic Protein

Division of Signal Transduction Therapy

Clone Data Sheet

NEK1 [1 - 505]

<u>Protein</u>	NEK1 [1 - 505]
<u>Clone number</u>	DU 55526
<u>Species</u>	Human
<u>Accession number</u>	NM_001199397.1
<u>Tags</u>	N-terminal GST
<u>Baculovirus expressed protein</u>	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNK KFELGLEFPNLPYYIDGDVKLTQSMATIRYIADKHNMLGGCPKE RAEISMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKM FEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKL VCFKKRIEAIPOIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSD LEVLFGQPLGSMKEYVRLQKIGEGSFGKAILVKSTEDGRQYVIK EINISRMSSKEREESRREVAVLANMKHPNIVQYRESFEENGSLY IVMDYCEGGDLFKRINAQKGVLFQEDQILDWFVQICLALKHVHD RKILHRDIKSQNIFLTKDGTVQLGDFGIARVLNSTVELARTCIG TPYYLSPEICENKPYNNKSDIWALGCVLYELCTLKHAFEAGSMK NLVLKIIISGSFPPVSLHYSYDLRSLVSQLFKRNPDRPSVNSIL EKGFIKRIEKFLSPQLIAEEFCLKTFSKFGSQPIPAKR PASGQ NSISVMPAQKITKPAAKYGIPLAYKKYGDKKLHEKKPLQKHQA HQTPEKRVNTGEERRKISEEAARKRRLEFIEKEKKQKDQIIISLM KAEQMKRQEKERLERINRAREQGWRNVLSAGGSGEVKAPFLGSG GTIAPSSFSSRGQYEHYHAIFDQMQQQRAEDNEAKWKREIYGRG LPERGILPGVRPGFPYGAAGHHHFPDADDI
<u>Native sequence</u>	Amino acids M1 – I505 (end residue E1286) of human NEK1. Residue M232 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 - 220.
<u>Protease cleavage</u>	PreScission (LEVLFGQP) residues 221 - 228
<u>Cloning sites</u>	<i>Bam</i> H1 and <i>Not</i> I sites of pFastBac Dual.

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Nucleotide sequence of insert

ggatccATGGAGAAGTATGTTAGACTACAGAAGATTGGAGAAGGT
TCATTTGGAAAAGCCATTCTTGTTAAATCTACAGAAGATGGCAGA
CAGTATGTTATCAAGGAAATTAACATCTCAAGAATGTCCAGTAAA
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