

Division of Signal Transduction Therapy

Clone Data Sheet

CLK3 [1 - 490]

Protein CLK3 [1 - 490]

Clone number DU 58727

Species Human

Accession number NM_003992.4

Tags N-terminal GST

Baculovirus expressed protein

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNK
KFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKE
RAEISMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPMLKM
FEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKL
VCFKKRIEAIPOIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSD
LEVLFGQPLGSMHHCCKRYRSPEPDPYLSYRWKRRRSYSREHEGR
**LRYPSSRREPPRRRSRSRSHDRLPYQRRYRERDSDTYRCEERSP
SFGEDYYGPSRSRHRRRSRERGPYRTRKHAHHCRRTRSCSSA
SSRSQOSSKRSSRSVEDDKEGHLVCRIGDWLQERYEIVGNLGE
TFGKVVECLDHARGKSQVALKIIRNVGKYREARLEINVLKKIK
EKDKENKFLCVLMSDFNFGHMCIAFELLGKNTFEFLKENNFQ
PYPLPHVRHMAYQLCHALRFLHENQLTHTDLKPENILFVNSEFE
TLYNEHKSCEEKSVKNTSIRVADFGSATFDHEHHTTIVATRHYR
PPEVILELGWAQPCDVWSIGCILFEYYRGFTLFOTHENREHLVM
MEKILGPIPSHMIHRTRKQKYFYKGLVWDENS SDGRYVKENCK
PLKSYMLQDSLEHVQLFDLMRRMLEFDPAQRITLAEALLHPFFA
GLTPEERSFHTSRNPSR**

Native sequence Amino acids M1 – R490 (end residue) of human CLK3.
Residue M232 of the fusion protein is equivalent to M1 of the
native enzyme. The GST tag is located at residues 1 - 220.

Protease cleavage PreScission (LEVLFGQP) residues 221 - 228

Cloning sites *Bam*H1 and *Not*I sites of pFastBac Dual.

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**Nucleotide
sequence of insert**

ggatccATGCATCACTGTAAGCGATAACCGCTCCCCTGAACCAGAC
CCGTACCTGAGCTACCGATGGAAGAGGAGGAGGCCTACAGTCGG
GAACATGAAGGGAGACTGCGATAACCCGTCCCGAAGGGAGCCTCCC
CCACGAAGATCTCGGTCCAGAAGCCATGACCGCCTGCCCTACCAG
AGGAGGTACCGGGAGCGCCGTGACAGCGATAACATACCGGTGTGAA
GAGCGGAGCCCATCCTTTGGAGAGGACTACTATGGACCTTCACGT
TCTCGTCATCGTCGGCGATCGCGGGAGAGGGGGCCATAACCGGACC
CGCAAGCATGCCACCACCTGCCACAAACGCCGCACCAGGTCTTGT
AGCAGCGCCTCCTCGAGAAGCCAACAGAGCAGTAAGCGCAGCAGC
CGGAGTGTGGAAGATGACAAGGAGGGTCACCTGGTGTGCCGGATC
GGCGATTGGCTCCAAGAGCGATATGAGATTGTGGGGAACCTGGGT
GAAGGCACCTTTGGCAAGGTGGTGGAGTGCTTGGACCATGCCAGA
GGGAAGTCTCAGGTTGCCCTGAAGATCATCCGCAACGTGGGCAAG
TACCGGGAGGCTGCCCGGCTAGAAATCAACGTGCTCAAAAAAATC
AAGGAGAAGGACAAAGAAAACAAGTTCCCTGTGTGTCTTGATGTCT
GACTGGTTCAACTTCCACGGTCACATGTGCATCGCCTTTGAGCTC
CTGGGCAAGAACACCTTTGAGTTCCTGAAGGAGAATAACTTCCAG
CCTTACCCCCTACCACATGTCCGGCACATGGCCTACCAGCTCTGC
CACGCCCTTAGATTTCTGCATGAGAATCAGCTGACCCATACAGAC
TTGAAACCAGAGAACATCCTGTTTGTGAATTCTGAGTTTGAACC
CTCTACAATGAGCACAAGAGCTGTGAGGAGAAGTCAGTGAAGAAC
ACCAGCATCCGAGTGGCTGACTTTGGCAGTGCCACATTTGACCAT
GAGCACCACACCACCATTTGTGGCCACCCGTCACTATCGCCCGCCT
GAGGTGATCCTTGAGCTGGGCTGGGCACAGCCCTGTGACGTCTGG
AGCATTGGCTGCATTCTCTTTGAGTACTACCGGGGCTTCACACTC
TTCCAGACCCACGAAAACCGAGAGCACCTGGTGTATGATGGAGAAG
ATCCTAGGGCCCATCCCATCACACATGATCCACCGTACCAGGAAG
CAGAAATATTTCTACAAAGGGGGCCTAGTTTGGGATGAGAACAGC
TCTGACGGCCGGTATGTGAAGGAGAACTGCAAACCTCTGAAGAGT
TACATGCTCCAAGACTCCCTGGAGCACGTGCAGCTGTTTGGACCTG
ATGAGGAGGATGTTAGAATTTGACCCTGCCAGCGCATCACACTG
GCCGAGGCCCTGCTGCACCCCTTCTTTGCTGGCCTGACCCCTGAG
GAGCGGTCCCTCCACACCAGCCGCAACCCAAGCAGAtgagcggcc
gc