

Division of Signal Transduction Therapy

Clone Data Sheet

PKB gamma [1 - 479]

Protein PKB gamma [1 - 479]

Clone number DU 62933

Species Human

Accession number NM_005465.7

Tags N-terminal His6

Baculovirus expressed protein MSYYHHHHHDYDIPTTENLYFQGAMGSMDSVTIVKEGWVQKRGEYIK
NWRPRYFLLKTDGSFIGYKEKPQVDLPYPLNNSVAKCQLMKTERPK
PNTF IIRCLQWTTVIERTFHVDTPPEEREWTEAIQAVADRLQRQEEER
MNCSPSTQIDNIGEEEMDASTTHHKRKTMNDFDYLKLLGKGTFGKVIL
VREKASGKYYAMKILKKEVI IAKDEVAHTLTESRVLKNTRHPFLTSLK
YSFQTKDRLCFVMEYVNGGELFFHLSRERVFSEDTRTFYGAEIVSALD
YLHSGKIVYRDLKLENLMLDKDGH IKITDFGLCKEGITDAATMKTFCG
TPEYLAPEVLEDNDYGRAVDWWGLGVVMEYEMMCGRLPFYNDHEKLF
LILMEDIKFPRTLSSDAKSLLSGLLIKDPNKRLGGGPDDAKEIMRHSF
FSGVNWDVYDKKLVPPFKPQVTSETDTRYFDEEFTAQTITITPPEKY
DEDGMDCMDNERRPHFPQFSYSASGRE

Native sequence Amino acids M1 – E479 (end) of human PKB gamma.
Residue M29 of the fusion protein is equivalent to M1 of the native
enzyme. The His6 tag is located at residues 5 – 10.

Protease cleavage rTEV (ENLYFQG) residues 18 – 24

Cloning sites *Bgl*III *Eco*R1 into *Bam*H1 *Eco*R1 sites into pFastBac HTb

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Nucleotide
sequence of insert

ggatctATGAGCGATGTTACCATTGTGAAAGAAGGTTGGGTTCAGAAG
AGGGGAGAATATATAAAAACTGGAGGCCAAGATACTTCCTTTTGAAG
ACAGATGGCTCATTCATAGGATATAAAGAGAAACCTCAAGATGTGGAT
TTACCTTATCCCCCTCAACAACCTTTTCAGTGGCAAATGCCAGTTAATG
AAAACAGAACGACCAAAGCCAAACACATTTATAATCAGATGTCTCCAG
TGGACTACTGTTATAGAGAGAACATTTTCATGTGGATACTCCAGAGGAA
AGGAAGAATGGACAGAAGCTATCCAGGCTGTAGCAGACAGACTGCAG
AGGCAAGAAGAGGAGAGAATGAATTGTAGTCCAACCTTCACAAATTGAT
AATATAGGAGAGGAAGAGATGGATGCCTCTACAACCCATCATAAAGA
AAGACAATGAATGATTTTGACTATTTGAACTACTAGGTAAAGGCACT
TTTGGGAAAGTTATTTTGGTCCGAGAGAAGGCAAGTGGAAAATACTAT
GCTATGAAGATTCTGAAGAAAGAAGTCATTATTGCAAAGGATGAAGTG
GCACACACTCTAACTGAAAGCAGAGTATTAAGAACACTAGACATCCC
TTTTTAACATCCTTGAAATATTCCTTCCAGACAAAAGACCGTTTGTGT
TTTGTGATGGAATATGTTAATGGGGGCGAGCTGTTTTTCCATTTGTGC
AGAGAGCGGGTGTCTCTGAGGACCGCACACGTTTCTATGGTGCAGAA
ATTGTCTCTGCCTTGGACTATCTACATTCGGAAAGATTGTGTACCGT
GATCTCAAGTTGGAGAATCTAATGCTGGACAAAGATGGCCACATAAAA
ATTACAGATTTTGGACTTTGCAAAGAAGGGATCACAGATGCAGCCACC
ATGAAGACATTCTGTGGCACTCCAGAATATCTGGCACCAGAGGTGTTA
GAAGATAATGACTATGGCCGAGCAGTAGACTGGTGGGGCCTAGGGGTT
GTCATGTATGAAATGATGTGTGGGAGGTTACCTTTCTACAACCAGGAC
CATGAGAACTTTTTGAATTAATATTAATGGAAGACATTAATTTTCCT
CGAACACTCTCTTCAGATGCAAAATCATTGCTTTCAGGGCTCTTGATA
AAGGATCCAAATAAACGCCTTGGTGGAGGACCAGATGATGCAAAAAGAA
ATTATGAGACACAGTTTCTTCTCTGGAGTAAACTGGCAAGATGTATAT
GATAAAAAGCTTGTACCTCCTTTTAAACCTCAAGTAACATCTGAGACA
GATACTAGATATTTTGTATGAAGAATTTACAGCTCAGACTATTACAATA
ACACCACCTGAAAAATATGATGAGGATGGTATGGACTGCATGGACAAT
GAGAGGCGGCCGATTTCCCTCAATTTTCTACTCTGCAAGTGGACGA
GAAaagaattc