

Division of Signal Transduction Therapy

Clone Data Sheet

STK33 [1 - 514]

Protein STK33 [1 - 514]

Clone number DU 30160

Species Human

Accession number BC031231.1

Tags N-terminal GST

**Bacterially
expressed protein**

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFEL
GLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEISMLE
GAVLDIRYGVSRIAYSKDFETLKVDFLSKLPPEMLKMFEDRLCHKTYLN
GDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKY
LKSSKYIAWPLQGWQATFGGGDHPKSDLEVLFGPLGSMADSGLDKK
STKCPDCSSASQKDVLCVCSKTRVPPVLLVEMSQTSSIGSAESLISL
ERKKEKNINRDITSRKDLPSRTSNVERKASQQWGRGNFTEGKVPHIR
IENGAAIEEITYTFGRILGKGSFGIVIEATDKETETKWAIKKVNKEKAG
SSAVKLLEREVNILKSVKHEHIHLEQVFETPKMYLVMELCEDGELK
EILDRKGFSENETRWIIQSLASAIAYLHNNDIVHRDLKLENIMVKSS
LIDDNNEINLNIKVTDFGLAVKKQSRSEAMLQATCGTPIYMAPEVISA
HDYSQQCDIWSIGVVMYMLLRGEPFLASSEKLFELIRKSELHFENA
VWNSISDCAKSVLKQLMKVDPAHRITAKELLDNQWLTGNKLSVRPTN
VLEMMKEWKNNPESVEENTTEEKNKPSTEEKLKSYPWGNVPETNYTS
DEEEKQSTTYEKQFPATSKDNFDMCSSSFTSSKLLPAEIKGEMKTP
VTPSQGTATKYPKSGALSRTKKKL

Native sequence Amino acids M1 – L514 of human STK33.

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 site (LEVLFQGP) residues 221 – 228

Cloning sites *Bam*H1 and *Not*1 sites of pFB GST 6P

Division of Signal Transduction Therapy

**Nucleotide
sequence of
insert**

ggatccATGGCTGATAGTGGCTTAGATAAAAAATCCACAAAATGCCCC
GACTGTTTCATCTGCTTCTCAGAAAGATGTACTTTGTGTATGTTCCAGC
AAAACAAGGGTTCCTCCAGTTTTGGTGGTGGAAATGTCACAGACATCA
AGCATTGGTAGTGCAGAATCTTTAATTTCACTGGAGAGAAAAAAGAA
AAAAATATCAACAGAGATATAACCTCCAGGAAAGATTTGCCCTCAAGA
ACCTCAAATGTAGAGAGAAAAGCATCTCAGCAACAATGGGGTCGGGGC
AACTTTACAGAAGGAAAAGTTCCTCACATAAGGATTGAGAATGGAGCT
GCTATTGAGGAAATCTATACCTTTGGAAGAATATTGGGAAAAGGGAGC
TTTGGAAATAGTCATTGAAGCTACAGACAAGGAAACAGAAACGAAGTGG
GCAATTA AAAAAGTGAACAAAGAAAAGGCTGGAAGCTCCGCTGTGAAG
TTACTTGAACGAGAGGTGAACATTCTGAAAAGTGTA AACATGAACAC
ATCATA CATCTGGAACAAGTATTTGAAACGCCAAAGAAAATGTACCTT
GTGATGGAGCTTTGTGAGGATGGAGA ACTCAAAGAAATCTGGATAGG
AAAGGGCATTTCTCAGAGAATGAGACAAGGTGGATCATTCAAAGTCTC
GCATCAGCTATAGCATATCTTCACAATAATGATATTGTACATAGGGAT
CTGAAACTGGAAAATATAATGGTTAAAAGCAGTCTTATTGATGATAAC
AATGAAATAAACTTAAACATAAAGGTGACTGATTTTGGCTTAGCGGTG
AAGAAGCAAAGTAGGAGTGAAGCCATGCTGCAGGCCACATGTGGGACT
CCTATCTATATGGCCCCTGAAGTTATCAGTGCCCACGACTATAGCCAG
CAGTGTGACATTTGGAGCATAGGCGTCGTAATGTACATGTTATTACGT
GGAGAACCACCCTTTTTTGCAAGCTCAGAAGAGAAGCTTTTTTGAGTTA
ATAAGAAAAGGAGA ACTACATTTTGAAAATGCAGTCTGGAATTCATA
AGTGACTGTGCTAAAAGTGTTTTGAAACA ACTTATGAAAGTAGATCCT
GCTCACAGAATCACAGCTAAGGAACTACTAGATAACCAGTGGTTAACA
GGCAATAAACTTTCTTCGGTGAGACCAACCAATGTATTAGAGATGATG
AAGGAATGAAAAATAACCCAGAAAGTGTGAGGAAAACACAACAGAA
GAGAAGAATAAGCCGTCCACTGAAGAAAAGTTGAAAAGTTACCAACCC
TGGGAAATGTCCCTGAGACCAATTACACTTCAGATGAAGAGGAGGAA
AAACAGTCTACTACTTATGAAAAGCAATTTCTGCAACCAGTAAGGAC
AACTTTGATATGTGCAGTTCAAGTTTCACATCTAGCAA ACTCCTTCCA
GCTGAAATCAAGGGAGAAATGGAGAAAACCCCTGTGACTCCAAGCCAA
GGAACAGCAACCAAGTACCCTGCTAAATCCGGCGCCCTGTCCAGAACC
AAAAAGAACTCtaagcggccgc