

Division of Signal Transduction Therapy

Clone Data Sheet

USP35 [1 - 1018]

Protein USP35 [1 - 1018]

Clone number DU 25784

Species Human

Accession number Q9P2H5

Tags N-terminal GST

**Baculovirus
expressed protein**

MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFEL
GLEFPNLPYYIDGDVKLTSMAIIRYIADKHNMLGGCPKERAETSMLE
GAVLDIRYGVSR IAYS KDFETLKVDFLSKLP EMLKMFEDRLCHKTYLN
GDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKY
LKSSKYIAWPLQGWQATFGGGDHPKSDLEVLFOGPLGSM**DKILEAVV**
TSSYPVSVKQGLVRRVLEAARQPLEREQCLALLALGARLYVGGAEELP
RRVGCQLLHVAGRHPDVFAEFFSARRVLRLLOGGAGPPGPRALACVQ
LGLQLLPEGPAADEVFALLRREVLRTVCERP GPAACAQVARLLARHPR
CVPDGP HRL LFCQQLVRCLGRFRC PAEGEEGAVEFLEQAQOVSGLLAQ
LWRAQPAAILPCLKELFAVISCAEEPPSSALASVVQHLPLELMDGVV
RNLSNDDSVTDSQMLTAISR MIDVSWPLGKNIDKWI IALLKGLAAVK
KFSILIEVSLTKIEKVF SKLLYP IVRGAALSVLKYMLLTFQHSHEAFH
LLLPHIPPMVASLVKEDSNSGTSCLEQLAELVHCMVFRFPGF PDLYEP
VMEAIKDLHVPNEDRIKQLLGD AWT SQKSELAGFYPR LMAKSDTGKI
GLINLGNTCYVNSILQALF MASDFRHCVLRLTENNSOPLMTKLQWLF
FLEHSORPAISPENFLSASWTPWFSPGTQDCSEYLKYLLDRLHEEEK
TGTRICQK LKQSSSPSPPEEPPAPSSTSVEKMF GGKIVTRICCLCCLN
VSSREEAF TDLSLAFPPPERCRRRRLG SVMRPTEDITARELPPPTSAQ
GPGRVGP RRQRKHCITEDTPPTS LYIEGLDSKEAGGSSQEERIEREE
EGKEERTEKEEVGEEEESTRGEGEREKEEEVEEEEEKVEKETEKEAQ
EKEEDSLGAGTHPDAAIPSGERTCGSEGSRSVLDLVNYFLSPEKLTAE
NRYCESCASLQDAEKVVELSQGPCYLILTL LRF SFDLRTMRRRKILD
DVSIPLLLRLPLAGGRGQAYDLCSVVVHSGVSS ESGHYCYAREGAAR
PAASLGTADRPEPENQWYLFNDTRV SFSSFESVSNVTSFFPKDTAYVL
FYRQRPREGPEAELGSSRV RTEPTLHKDLMEAI SKDNILYLQEQEKEA
RSRAAYISALPTSPHWGRGFDEDKDEDEGSPGGCNPAGNGGDFHRLV
F

Native sequence

Amino acids M1 – F1018 (end) of human USP35.
Residue M232 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220.

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Protease cleavage PreScission site (LEVLFQGP) residues 221 – 228

Cloning sites *Bam*H1 and *Not*1 sites of pFastBac GST 6P1

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Nucleotide sequence of insert

ggatccATGGACAAGATCTTGGAGGCGGTGGTGACGTCGTCATACCCG
GTCAGCGTGAAGCAGGGGCTGGTTCCGGCGCGTGCTGGAGGCGGCGCGG
CAGCCGCTGGAGCGTGAGCAGTGCCTGGCGCTGCTGGCGCTGGGCGCG
CGCTCTACGTGGGCGGCGCGGAGGAGCTGCCGCGCCGCGTGGGCTGC
CAGCTGCTGCACGTGGCCGGCCGCCACCACCCGACGTCCTCGCCGAG
TTCTTCAGCGCGGTCGCGTGCTGCGCCTGCTGCAGGGTGGGCGCCGGC
CCCCGGGCCCCCGCGCGCTCGCCTGCGTGACGCTGGGTCTGCAGCTG
CTGCCCAGGGGCTGCGGCCGACGAGGTGTTGCGCTGCTGCGGCGC
GAGGTGCTGCGCACCGTGTGCGAGCGCCCGGGCCCCGCGGCCCTGCGCG
CAGGTGGCACGGCTGCTGGCTCGCCACC CGCGCTGTGTGCCCGACGGA
CCCCACCGCCTGCTCTTCTGCCAGCAGCTGGTGC GTTGCCTCGGCCGC
TTCCGCTGCCAGCCGAAGGCGAGGAGGCGCCGTTGGAGTTCCTAGAG
CAGGCCCAGCAGGTGAGCGGGCTCCTGGCGCAGCTGTGGCGCGCACAG
CCCGCCGCCATCCTGCCCTGCCTCAAAGAGCTGTTCCGAGTCATCTCC
TGCGCAGAGGAGGAGCCACCATCTAGCGCCCTGGCCAGCGTGGTCCAG
CACCTCCCATTGGAGCTCATGGATGGTGTGTGTCGGAACCTCAGCAAT
GATGACAGTGTGACAGACTCGCAGATGCTGACTGCCATTAGCAGGATG
ATTGACTGGGTGTCCTGGCCCCCTGGGGAAGAATATTGACAAGTGGATC
ATTGCACTGCTGAAGGGCCTGGCTGCTGTTAAGAAGTTCAGCATCTTG
ATCGAGGTTTCGCTCACAAAATTGAGAAGGTTTTCTCTAAGCTGCTG
TACCCCATCGTCCGGGGAGCTGCCCTTGTCTGTGCTCAAGTACATGCTC
CTGACCTTCCAGCACTCCCACGAAGCCTTCCACCTGCTCCTCCCTCAC
ATCCCCCCATGGTGGCCTCTCTGGTCAAGGAGGACTCGAACTCGGGG
ACCAGCTGCCTGGAGCAGCTGGCGGAGCTGGTCCACTGCATGGTGTTC
CGGTTCCCGGGCTTCCCGGATCTGTATGAGCCTGTCATGGAGGCCATC
AAGGACCTCCATGTTCCCAATGAGGACCGCATCAAGCAGCTGCTGGGG
CAGGATGCCTGGACTTCGCAGAAGAGCGAGCTGGCGGGTTTTCTATCCC
CGGCTCATGGCCAAGTCAGACACGGGCAAGATTGGTCTCATCAACCTG
GGCAACACATGCTATGTCAACAGCATCCTTCAGGCCTTATTCATGGCG
TCTGACTTCAGACATTGTGTGCTCCGCTTGACTGAGAACAACCTCACAG
CCCCTGATGACCAAGCTGCAGTGGCTCTTTGGCTTCTAGAACACAGC
CAGCGCCTGCCATTTCCCAGAGAACTTCTCTCCGCATCCTGGACG
CCCTGGTTCAGCCCTGGCACCCAGCAGGACTGCTCGGAGTATCTGAAG
TACCTGCTGGATCGGCTGCACGAAGAGGAGAAAACGGGCACAAGGATC
TGCCAGAACTCAAGCAGTCCAGCTCGCCCTCTCCGCCCGAGGAGCCC
CCGGCCCCAAGTTC AACCTCTGTGGA AAAAATGTTTGGAGGCAAGATA
GTGACTCGGATCTGCTGTCTCTGCTGCCTCAACGTCTCCTCCCGGGAG
GAGGCCTTCACGGACCTCTCTCTCGCCTTCCCTCCTCCTGAGCGCTGT
CGCCGCCCGCCCTGGGCTCTGTGATGCGCCCCACAGAAGACATCACA
GCCCCGGGAGTTGCCCCACCAACCAGTGCACAGGGGCCAGGCAGGGTG
GGTCTCGGAGGCAAAGGAAACACTGCATCACAGAGGACACCCCCCCC
ACCAGCCTGTACATCGAAGGCCTGGACTCCAAGGAAGCTGGTGGGCAG
AGCAGTCAGGAGGAAAGGATAGAGAGGGAGGAAGAAGGGAAGGAGGAG
AGAACGGAGAAGGAAGAAGTGGGGGAGGAGGAGGAAAGCACCAGAGGG
GAAGGAGAGAGGGAGAAAAGAGGAGGAGGTGGAAGAGGAAGAAGAGAAG
GTGGAGAAGGAGACAGAAAAGGAGGCTGAGCAGGAAAAGGAAGAAGAC
AGCCTGGGAGCGGGGACCCACCCGGATGCTGCCATCCCCCTCCGGGGAG

Division of Signal Transduction Therapy

CGGACATGTGGCTCTGAGGGCTCCCGCTCCGTCCTGGACCTGGTTAAC
TACTTCCTGTCCCCGAGAAGCTGACAGCAGAAAACCGTACTACTGC
GAGTCGTGTGCCTCCCTGCAGGATGCCGAGAAGGTGGTGGAGCTGAGC
CAAGGGCCGTGCTACCTCATCCTCACACTGCTGCGCTTCTCTTTCGAC
CTGCGCACCATGCGGCGCCGCAAGATCCTGGATGACGTCTCCATCCCC
CTGCTGCTCCGCCTGCCACTGGCTGGTGGCCGTGGCCAGGCCTATGAC
CTCTGCAGTGTGGTGGTGCACCTCTGGAGTGTCTTCGGAGAGTGGTCAC
TACTACTGCTATGCCCCTGAGGGCGCTGCCCGCCCTGCCGCTTCTCTG
GGAAGTCCGATAGGCCAGAGCCCGAGAACCAGTGGTACCTGTTCAAT
GACTCAGGTGTCCTTCTCTTCTTTCGAATCTGTCAGCAACGTCACC
TCTTCTTCCCTAAGGACACAGCCTATGTGCTGTTTTACCGGCAGCGG
CCCAGGGAGGGGCCCCGAGGCTGAGTTGGGCTCTTCTAGAGTCCGGACA
GAGCCACCCTGCACAAGGACTTGATGGAAGCCATTTCCAAAGACAAC
ATCCTTTACCTACAGGAGCAGGAGAAGGAGGCCCGGAGCAGGGCGGCC
TACATCTCTGCACTCCCCACATCTCCGCACTGGGGGAGGGGCTTTGAT
GAAGACAAGGATGAGGATGAAGGCTCTCCAGGGGGCTGCAATCCTGCA
GGTGGCAATGGTGGTGAAGTCCACAGACTGGTCTTCTaagcggccgc