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### CLONE DATA SHEET - MST2 [2 - 491]

**Protein** MST2 [2 - 491]

**Clone number** DU 1433

**Species** Human

**Accession number** U60206

**Tags** N-terminal GST

**Baculovirus expressed protein** MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEG  
DKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIA  
DKHNMLGGCPKERAEISMLEGAVLDIRYGVSR IAYSK  
DFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVT  
HPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKR IEA  
IPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLE  
VLFQGPLGSEQPPAPKSKLKKLSEDSLTKQPEEVFDV  
LEKLGEGSYGSVFKAIHKESGQVVAIKQVPVESDLQ  
EIIKEISIMQQCDSPYVVKYYGSYFKNTDLWIVMEY  
CGAGSVSDIIRLRNKTLIEDEIATILKSTLKGLEYLHF  
MRKIHRDIKAGNILLNTEGHAKLADFGVAGQLTD  
TMAKRNTVIGTPFWMAPEVIQEIGYNCVADIWSLG  
ITSIEMAEGKPPYADIHPMRAIFMIPTNPPPTFRKPEL  
WSDDFTFVKKCLVKNPEQRATATQLLQHPFIKNA  
KPVSI LRDLITEAMEIKAKRH EEQQRELEEEENSDE  
DELDSHTMVKTSVESVGTMRATSTMSEGAQTMIE  
HNSTMLES DLGTMVINSEDEEEEDGTMKRNATSPQ  
VQRPSFMDYFDKQDFKNKSHENCNQN MHEPFPMS  
KNVFPDNWKVPQDGD FDFLKNLSLEELQMRLKAL  
DPMMERIEELRQRYTAKRQPILDAMDAKKRRQQ  
NF

**Native sequence** Amino acids E2 – F491 (end) of human MST2.  
Residue E232 of the fusion protein is equivalent to E2 of the native enzyme. The GST tag is located at residues 1 – 220.

**Protease cleavage** PreScission (LEVL FQGPL) residues 221 - 229

**Cloning sites** *Bam*H1 and *Eco*R1 site in pFastBAC GST

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**Complete  
Nucleotide  
Sequence**

ATGTCCCCTATACTAGGTTATTGGAAAATTAAGGG  
CCTTGTGCAACCCACTCGACTTCTTTTGGAAATATCT  
TGAAGAAAAATATGAAGAGCATTGTATGAGCGC  
GATGAAGGTGATAAATGGCGAAACAAAAAGTTTG  
AATTGGGTTTGGAGTTTCCCAATCTTCCTTATTATA  
TTGATGGTGATGTTAAATTAACACAGTCTATGGCC  
ATCATACGTTATATAGCTGACAAGCACAAACATGTT  
GGGTGGTTGTCCAAAAGAGCGTGCAGAGATTTCAA  
TGCTTGAAGGAGCGGTTTTGGATATTAGATACGGT  
GTTTCGAGAATTGCATATAGTAAAGACTTTGAAAC  
TCTCAAAGTTGATTTTCTTAGCAAGCTACCTGAAAT  
GCTGAAAATGTTCGAAGATCGTTTATGTCATAAAA  
CATATTTAAATGGTGATCATGTAACCCATCCTGACT  
TCATGTTGTATGACGCTCTTGATGTTGTTTTATACAT  
GGACCCAATGTGCCTGGATGCGTTCCCAAATTAG  
TTTGTTTTAAAAAACGTATTGAAGCTATCCCACAA  
ATTGATAAGTACTTGAAATCCAGCAAGTATATAGC  
ATGGCCTTTGCAGGGCTGGCAAGCCACGTTTGGTG  
GTGGCGACCATCCTCCAAAATCGGATCTGGAAGTT  
CTGTTCCAGGGGCCCTGGGATCCGAGCAGCCGC  
CGGCGCCTAAGAGTAAACTAAAAAGCTGAGTG  
AAGACAGTTTGACTAAGCAGCCTGAAGAAGTTT  
TTGATGTATTAGAGAAGCTTGGAGAAGGGTCTT  
ATGGAAGTGTATTTAAAGCAATACACAAGGAAT  
CCGGTCAAGTTGTCGCAATTAACAAGTACCTGT  
TGAATCAGATCTTCAGGAAATAATCAAAGAAAT  
TTCCATAATGCAGCAATGTGACAGCCCATATGTT  
GTAAAGTACTATGGCAGTTATTTTAAGAATACA  
GACCTCTGGATTGTTATGGAGTACTGTGGCGCT  
GGCTCTGTCTCAGACATAATTAGATTACGAAACA  
AGACATTAATAGAAGATGAAATTGCAACCATTC  
TTAAATCTACATTGAAAGGACTAGAATATTTGCA  
CTTTATGAGAAAAATACACAGAGATATAAAAGC  
TGGAATATTCTCCTCAATACAGAAGGACATGC  
AAAATTGGCAGATTTTGGAGTGGCTGGTCAGTT  
AACAGATACAATGGCAAACGCAATACTGTAAT  
AGGAACTCCATTTTGGATGGCTCCTGAGGTGAT  
TCAAGAAATAGGCTATAACTGTGTGGCCGACAT  
CTGGTCCCTTGGCATTACTTCTATAGAAATGGCT  
GAAGGAAAACCTCCTTATGCTGATATACATCCAA  
TGAGGGCTATTTTATGATTCCCACAAATCCACC  
ACCAACATTCAGAAAGCCAGAACTTTGGTCCGA

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TGATTTACCGATTTTGTAAAAAGTGTTTGGTG  
AAGAATCCTGAGCAGAGAGCTACTGCAACACAA  
CTTTTACAGCATCCTTTTATCAAGAATGCCAAAC  
CTGTATCAATATTAAGAGACCTGATCACAGAAG  
CTATGGAGATCAAAGCTAAAAGACATGAGGAAC  
AGCAACGAGAATTGGAAGAGGAAGAAGAAAAT  
TCGGATGAAGATGAGCTGGATTCCCACACCATG  
GTGAAGACTAGTGTGGAGAGTGTGGGCACCAT  
GCGGGCCACAAGCACGATGAGTGAAGGGGCC  
AGACCATGATTGAACATAATAGCACGATGTTGG  
AATCCGACTTGGGGACCATGGTGATAAACAGTG  
AGGATGAGGAAGAAGAAGATGGAACATGAAA  
AGAAATGCAACCTCACCACAAGTACAAAGACCA  
TCTTTCATGGACTACTTTGATAAGCAAGACTTCA  
AGAATAAGAGTCACGAAAACGTGTAATCAGAACA  
TGCATGAACCCTTCCCTATGTCCAAAAACGTTTT  
TCCTGATAACTGGAAAGTTCCTCAAGATGGAGA  
CTTTGACTTTTTGAAAAATCTAAGTTTAGAAGAA  
CTACAGATGCGGTAAAAGCACTGGACCCCATG  
ATGGAACGGGAGATAGAAGAACTTCGTCAGAG  
ATACACTGCGAAAAGACAGCCCATCTGGATGC  
GATGGATGCAAAGAAAAGAAGGCAGCAAAACT  
TTTGA