

Division of Signal Transduction Therapy

Clone Data Sheet

MST1 [1 - 487]

<u>Protein</u>	MST1 [1 - 487]
<u>Clone number</u>	DU 30863
<u>Species</u>	Human
<u>Accession number</u>	NM_006282.2
<u>Tags</u>	N-terminal GST
<u>Baculovirus expressed protein</u>	<p>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELG LEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAETSMLEGA VLDIRYGVSR IAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDH VTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSS KYIAWPLQGWQATFGGGDHPPKSDLEVLFOGPLGSMETVQLRNPPRRQL KKLDEDSLTKQPEEVFDVLEKLGEGSYGSVYKAIHKETGQIVAIKQVPV ESDLQEI I KEI SIMQOCDSPHVVKYYGSYFKNTDLWIVMEYCGAGSVSD I IRLRNKTLTEDEIATILQSTLKGLEYLHFMRKIHRDIKAGNILLNTEG HAKLADFGVAGQLTDTMAKRNTVIGTPFWMAPEVIOEIGYNCVADIWSL GITAIEMAEGKPPYADIHPMRAIFMIPTNPPPTFRKPELWSDNFTDFVK QCLVKSPEQRATATQLLQHPFVRSKGVSI LRDLINAMDVKLRQESQ QREVDQDDEENSEEDEMDSGTMVRAVGDEMGTVRVASTMTDGANTMIEH DDTLPSQLGTMVINAEDDEEEGTMKRRDETMQPAKPSFLEYFEQKEKEN QINSFGKSVPGPLKNSSDWKIPQDGDYEF LKSWTVEDLQKRL LALDPMM EQEIEEIRQKYQSKROPILDAIEAKRRRQONF</p>
<u>Native sequence</u>	<p>Amino acids M1 – F487 (end) of human MST1. Residue M232 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220.</p>
<u>Protease cleavage</u>	PreScission (<u>LEVLFQGP</u>) residues 221 - 229
<u>Cloning sites</u>	<i>Bam</i> H1 and <i>Not</i> I sites in pFastBAC GST

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**Nucleotide
sequence of insert**

ggatccATGGAGACGGTACAGCTGAGGAACCCGCCGCGCCGGCAGCTGA
AAAAGTTGGATGAAGATAGTTTAAACCAAACAACCAGAAGAAGTATTTGA
TGTCTTAGAGAAACTTGGAGAAGGGTCCTATGGCAGCGTATACAAAGCT
ATTCATAAAGAGACCGGCCAGATTGTTGCTATTAAGCAAGTTCCTGTGG
AATCAGACCTCCAGGAGATAATCAAAGAAATCTCTATAATGCAGCAATG
TGACAGCCCTCATGTAGTCAAATATTATGGCAGTTATTTTAAGAACACA
GACTTATGGATCGTTATGGAGTACTGTGGGGCTGGTTCGTATCTGATA
TCATTCGATTACGAAATAAAACGTTAACAGAAGATGAAATAGCTACAAT
ATTACAATCAACTCTTAAGGGACTTGAATACCTTCATTTTATGAGAAAA
ATACACCGAGATATCAAGGCAGGAAATATTTTGCTAAATACAGAAGGAC
ATGCAAAACTTGCAGATTTTGGGGTAGCAGGTCAACTTACAGATACCAT
GGCCAAGCGGAATACAGTGATAGGAACACCATTTTGGATGGCTCCAGAA
GTGATTCAGGAAATTGGATACAACTGTGTAGCAGACATCTGGTCCCTGG
GAATAACTGCCATAGAAATGGCTGAAGGAAAGCCCCCTTATGCTGATAT
CCATCCAATGAGGGCAATCTTCATGATTCCTACAAATCCTCCTCCACA
TTCCGAAAACCAGAGCTATGGTCAGATAACTTTACAGATTTTGTGAAAC
AGTGTCTTGTAAGAGCCCTGAGCAGAGGGCCACAGCCACTCAGCTCCT
GCAGCACCCATTTGTCAGGAGTGCCAAAGGAGTGTCAATACTGCGAGAC
TTAATTAATGAAGCCATGGATGTGAAACTGAAACGCCAGGAATCCAGC
AGCGGGAAGTGGACCAGGACGATGAAGAAAATCAGAAGAGGATGAAAT
GGATTCTGGCACGATGGTTCGAGCAGTGGGTGATGAGATGGGCACTGTC
CGAGTAGCCAGCACCATGACTGATGGAGCCAATACTATGATTGAGCACG
ATGACACGTTGCCATCACAACCTGGGCACCATGGTGATCAATGCAGAGGA
TGAGGAAGAGGAAGGAACATGAAAAGAAGGGATGAGACCATGCAGCCT
GCGAAACCATCCTTTCTTGAATATTTTGAACAAAAAGAAAAGGAAAACC
AGATCAACAGCTTTGGCAAGAGTGTACCTGGTCCACTGAAAAATTCCTTC
AGATTGGAAAATACCACAGGATGGAGACTACGAGTTTCTTAAGAGTTGG
ACAGTGGAGGACCTTCAGAAGAGGCTCTTGGCCCTGGACCCCATGATGG
AGCAGGAGATTGAAGAGATCCGGCAGAAGTACCAGTCCAAGCGGCAGCC
CATCCTGGATGCCATAGAGGCTAAGAAGAGACGGCAACAAAACCTTctga
gcggccgc