

Product datasheet for RC222872

MST4 (STK26) (NM_001042452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MST4 (STK26) (NM_001042452) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MST4
Synonyms:	MASK; MST4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222872 representing NM_001042452 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACTCGCCGGTGGCTGTCCAAGTGCCTGGGATGCAGAATAACATAGCTGATCCAGAAGAAGTGT
TCACAAAATTAGAGCGCATTGGGAAAGGCTCATTTGGGGAAGTTTTCAAAGGAATTGATAACCGTACCCA
GCAAGTCGTTGCTATTAATCATAGACCTTGAGGAAGCCGAAGATGAAATAGAAGACATTCAGCAAGAA
ATAACTGTCTTGAGTCAATGTGACAGCTCATATGTAACAAAATACTATGGGTCATATTTAAAGGGTCTA
AATTATGGATAAATGAATACCTGGGCGGTGGTTTCAGCACTGGATCTTCTTCGAGCTGGTCCATTGGA
TGAGTTCCAGATTGCTACCATGCTAAAGGAAATTTAAAAGGTCTGGACTATCTGCATTCAGAAAAGAAA
ATTCACCGAGACATAAAAGCTGCCAATGTCTTGCTCTCAGAACAAGGAGATGTTAAACTGCTGATTTTG
GAGTTGCTGGTCAGCTGACAGATACACAGATTAAGAAAATACCTTTGTGGGAACTCCATTTTGGATGGC
TCCTGAAGTTATCAACAGTCAGCTTATGACTCAAACGTCCTACAGCAAAGAAGTCTGAAACACAAA
TTCATTGTAAAAAATCAAGAAGACTTCTTATCTGACTGAACTGATAGATCGTTTTAAGAGATGGAAGG
CAGAAGGACACAGTGATGATGAATCTGATTCGAGGGCTCTGATTCGGAATCTACCAGCAGGAAAAACAA
TACTCATCCTGAATGGAGCTTTACCACCGTACGAAAGAAGCCTGATCAAAGAAAGTACAGAATGGGGCA
GAGCAAGATCTTGTGCAAACCCGTGAGTTGTTGTCTATGATAATCACACCTGATTTGCTGAACTTAAAC
AGCAGGACGAGAATAACGCTAGCAGGAATCAGGCGATTGAAGAAGTTCGAGAAAAGTATTGCTGTGGCTGA
AGCCCGCTGTCCCGCATCACAGATAAAATGGTGAAGAACTAATTGAAAAATTTCAAAGTGTTCAGCA
GACGAATCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001042452.2](#)

RefSeq Size: 2875 bp

RefSeq ORF: 1065 bp

Locus ID: 51765

UniProt ID: [Q9P289](#)

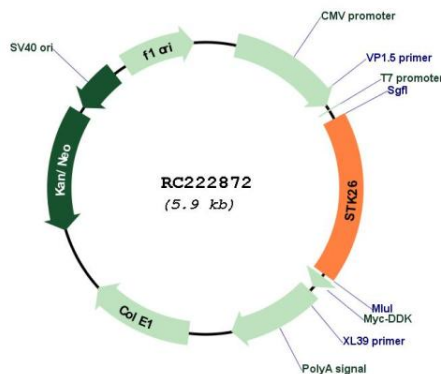
Cytogenetics: Xq26.2

Protein Families: Druggable Genome, Protein Kinase

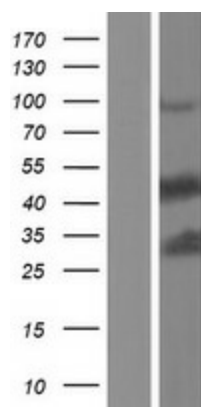
MW: 39.5 kDa

Gene Summary: The product of this gene is a member of the GCK group III family of kinases, which are a subset of the Ste20-like kinases. The encoded protein contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that mediates homodimerization. The protein kinase localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222872



Western blot validation of overexpression lysate (Cat# [LY420912]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222872 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).