

Product datasheet for **RR213510**

Mpst (NM_138843) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpst (NM_138843) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mpst
Synonyms: Mst
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213510 representing NM_138843
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCCCCACAGCTTTCCGAGCTCTGGTATCTGCTCAGTGGGTGGCGGAGGCTCTGAAATCCCCTC
GCGCCTCTCAGCCGCTGAAGTTACTGGATGCGTCCTGGTACCTACCCAAGCTGGGCCGCGATGCGCGACG
CGAGTTTGAGGAGCGCCACATCCCGGGCGCCGCTTCTTTGACATCGATCGTTGCAGCGACCACACATCG
CCCTACGACCACATGCTGCCTAGTGCCACGCATTCGCCGACTACGCGGGCAGCTTGGGCGTGAGTGCCG
CTACACACGTCGTGATCTACGACGGCAGCGACCAGGGCCTCTATTCCGCTCCGAGGGTCTGGTGGATGTT
CCGCGCCTTCGGCCACCACTCTGTGTCGTTGCTGGACGGCGGCTCCGCTATTGGCTGAGCCAGAACCTG
CCAATTAGCTCTGGCAAAGCCCTCGGAACCTGCGGAGTTCTGCGCGCAGCTCGATCCCTCCTTCATCA
AGACCCACGAGGATATCCTGGAGAACTTGGATGCCCGGCGCTCCAGGTAGTGGACGCCCGCGCAGCTGG
CCGTTTCCAAGGCACACAGCCAGAACCCGAGATGGCATCGAACCTGGACACATCCCTGGCTCAGTAAAC
ATCCCATTCACTGAATTCCTGACCAGTGAAGTCTGGAGAAGAGCCAGAGGAGATCCAACGCCTGTTCC
AGGAGAAGAAGGTGGACCTGTCCAAGCCCTTGGTAGCCACATGCGGCTCCGGTGTACAGCCTGCCACGT
GGTCCTGGGGCCCTTCTCTGTGGCAAACCCGATGTGCCTGTCTACGATGGCTCCTGGGTGGAGTGGTAC
ATGCGTGCCCAACCGGAGCACGTCTCTCAGGGCCGGGGAAGACCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >RR213510 representing NM_138843
 Red=Cloning site Green=Tags(s)

MAAPQLFRALVSAQWVAEALKSPRASQPLKLLDASWYLPKLGRDARREFEERHIPGAAFFDIDRCSDHTS
 PYDHMLPSATHFADYAGSLGVSAAHVVIYDGSQGLYSAPRVWMMFRAFHHVSVLLDGGFRYWLSQNL
 PISSGKSPSEPAEFCAQLDPSFIKTHEDILENLDARRFQVVDARAAGRFQGTQPEPRDGIPEGHIPGSVN
 IPFTEFLTSEGLEKSPEEIQRLEFQEKVVDLSKPLVATCGSGVTACHVVLGAFLCGKPDVPPVYDGSWVEWY
 MRAQPEHVISQGRGKTL

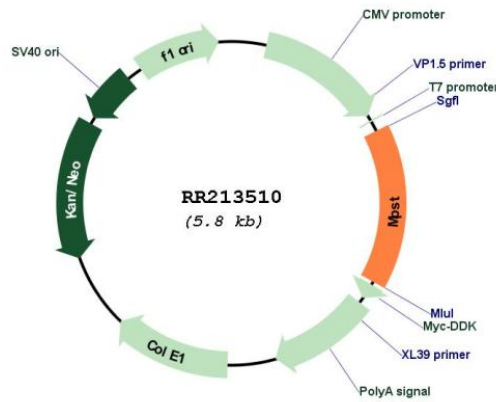
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138843

ORF Size: 891 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">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_138843.1 , NP_620198.1
RefSeq Size:	1304 bp
RefSeq ORF:	894 bp
Locus ID:	192172
UniProt ID:	P97532
Cytogenetics:	7q34
MW:	32.9 kDa
Gene Summary:	catalyzes the formation of thiocyanide and pyruvate [RGD, Feb 2006]