

Product datasheet for MR205695

Tm6sf1 (NM_145375) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tm6sf1 (NM_145375) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tm6sf1
Synonyms:	AI428514; BC023123; C630016D09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205695 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGCCTCTGCGGCCACGGGGTTTTGTGCTGTCCCTCTCAGCCATCCCGGTACCTACATCTTCA
ACCACCTGGCGGCCAGCAGATTCTGGACCATTGTTGGGGTTGCTGCCCTCATCTGCTCCTGGTGGC
CCTTTGGCCCGGTCTTGTGAGAAGAAACCGCCGAGGGACCCTCTGTTCTACGTGTATGCAGTGT
GGATTTACCAGTGTGGTGAACCTTATCATAGGCTTGGAGCAAGATGGCATCATTGATGGATTATGACGC
ACTACTTGAGAGAGGGTGAACCGTATCTGAACACGGCCTATGGGCACATGATCTGCTACTGGGATGGCTC
TGTTCACTACCTGATGTACCTAGTGATGGTGGCCGCATAGCCTGGGAGGAAAGCTACAGAACCATTGGC
CTATACTGGGTCGGATCCATTATAATGAGCATCGTGGTTTTGTGCTGGAAACATCGTAGGAAAGTATG
GGACACGGATTTGCCCTGCATTTTTCTTAAGCATACCATATACATGTCTCCGGTCTGGGCTGGCTTCA
AATCTATAATCAACCATCAGAAACTATAATTATCCCTCAAAGGTTCTTCAAGAAGCCAAAGCAAGGCC
CTGCTGAGAAGACCGTTTGACTTAGTGTGGTTGTGTCTTTCTTGGCAACTGGATTTTGGCTGTTCA
GAGGCTTGATTGCTTTGGATTGCCAGCTGAGCTCTGCCACTACACGCAGTTTCAAGAGCCCTACCT
AAAGGACCCTGCTGCTTATCCTAAGATTGAGATGCTGGCATAACATGTTCTATTCCGTCCTTACTTTGTG
ATTGCCCTTTATGGCTTAGTGGTCCCTGGATGCTCATGGATGCTGATATAACGCTGGTCCATGCTGGAG
GTCTAGCTCAGGCTCAGTTTTCTACATTGGTGGTCCCTTCATGCTAGAACTGCTTATGTCTACAGAGT
CCCCGAAGAAGCGAAAATCTTTTTCTAGCACTAAACATAGCATATGGAGTTCTTCTCAGCTCTTGGCC
TACCGTTGACTACAATCCCGAGTTCTTCTAAGAACTAAGGCAGATGAGAAGTTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205695 protein sequence
Red=Cloning site Green=Tags(s)

MSASAATGVFVLSLSAIPVTYIFNHLAAQHDSWTIVGVAALILLVALLARVLVRRKPPRDPLFYVYAVF
 GFTSVVNLIIIGLEQDGIIDGFMTHYLREGEPYLNAYGHMICYWDGSHVHYLMYLMVMAAIAWEESYRTIG
 LYWVGSIIIMSIVFVPGNIVGKYGTRICPAFFLSIPYTCLPVWAGFRIYNQPSSENYNYPKVLQEAQAKA
 LLRRPFDLVLVCLFLATGFCLFRGLIALDCPAELCRLYTQFQEPYLDKPAAYPKIQMLAYMFYSVPYFV
 IALYGLVVPGCSWMPDITLVHAGGLAQAQF SHIGASLHARTAYVYRVPEEAKIFFLALNIAYGVLPQLLA
 YRCTYNPEFFLRKKADEKLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145375

ORF Size: 1113 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:

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_145375.2](#)

RefSeq Size: 2234 bp

RefSeq ORF: 1113 bp

Locus ID: 107769

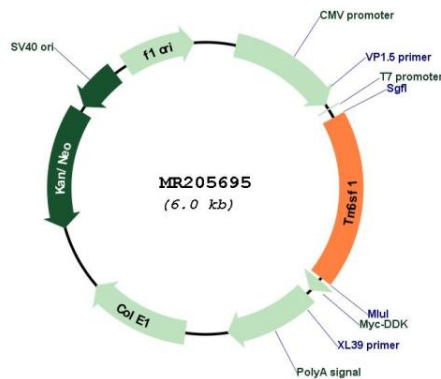
UniProt ID: [P58749](#)

Cytogenetics: 7 D3

MW: 41.6 kDa

Gene Summary: May function as sterol isomerase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205695