

Product datasheet for **RR204535**

Tpsab1 (NM_019322) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpsab1 (NM_019322) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tpsab1
Synonyms: Mcpt7; rMCP-7; TPSB1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204535 representing NM_019322
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACCTACCCTCCTGCTCCCTGGTTCCTGGCTTATTCTGCACACCACAACCTGTTGGCCCTAGCCCAG
 CCCTCACCTCCAACCGGGCCCGTACTACTACTGTGTCCGAATGCTGAAGCTGCTGCTGACTGCTGCC
 TCTCCTGTCCAGCCTGGTGCACGCAGCCCTAGTCTAGCTATGCCACGAGAGGGCATTGTGGGGGACAG
 GAGGCGTCTGGGAACAAGTGGCCCTGGCAGGTGAGCCTGCGTGTCAATGACACCTACTGGATGCATTCT
 GCGGCGGCTCCCTCATCCACCCACAGTGGTGGTCACTGCGGCACACTGTGTGGGACCGAATAAGGCTGA
 CCCAACAAAGCTCAGGTACAGTTCGTAAGCAGTATCTATTATCATGACCACCTGCTGACCCTGAGC
 CAGATCATCTCACACCCTGACTTCTACATCGCCAGGATGGGGCAGACATTGCCCTGCTGAAACTCACTA
 ACCCTGTGAACATTACCAGCAATGTCCACACTGTCTCCCTGCCTCCCGCCTCAGAGACCTCCCCCTCAGG
 GACATTGTGCTGGGTGACAGGCTGGGGTAACATCAACAATGATGTAAGCCTGCCACCGCCATTTCCTTTG
 GAGGAGGTGCAAGTTCCTATTGTAGAAAACCGCCTCTGTGACTTGAAGTATCACAAAGGTCTCAACACAG
 GTGACAACGTCCACATTGTCCGTGACGACATGCTGTGTGCTGGGAATGAAGGACATGACTCCTGCCAGGG
 CGACTCCGGAGGACCTCTGGTCTGCAAGGTTGAAGATACCTGGCTGCAGGCAGGTGTTGTGAGCTGGGGT
 GAGGGCTGCGCACAGCCCAACAGCCTGGCATCTACACTCGGGTACCTATTACCTGGACTGGATCTACC
 GCTATGTCCCAAGGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204535 representing NM_019322
 Red=Cloning site Green=Tags(s)

MDLPSCSLVPGLFCTPQPVGPSPALTSNRARTTHCVRMLKLLLLTLPLSSLVHAAPSLAMPREGIVGGQ
 EASGNKWPVQVSLRVNDTYWMHFCGGSLIHPQWVLTAAHCVGNKADPNKLRVQLRKQYL YYHDHLLTVS
 QIISHPDFYIAQDGADIALKLTNPVNITSNVHTVSLPPASETFFPSGTLWCWVTGWNINNDVSLPPFPFL
 EEVQVPIVENRLCDLKYHKGLNTGDNVHIVRDDMLCAGNEGHDS CQGDSSGGPLVCKVEDTWLQAGVVSWG
 EGCAQPNRPGIYTRVTTYLDWIYRYVPKDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

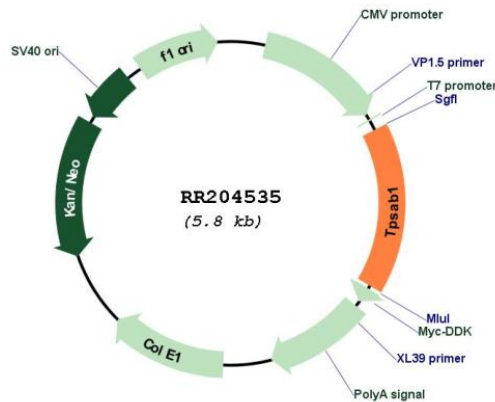
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019322

ORF Size: 930 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_019322.2 , NP_062195.2
RefSeq Size:	1225 bp
RefSeq ORF:	933 bp
Locus ID:	54271
UniProt ID:	P27435
Cytogenetics:	10q12
MW:	34.2 kDa
Gene Summary:	serine protease in mast cells [RGD, Feb 2006]