

Product datasheet for **MG203662**

Tpsab1 (NM_031187) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpsab1 (NM_031187) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tpsab1
Synonyms:	Mcp-7; Mcp7; Mcpt7; MMCP-7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203662 representing NM_031187 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAAAGCTGCTGCTGCTCACGCTGCCCTCCTGTCCAGCCTGGTGCTGCAGCCCCGGTCCAGCTA
TGACACGAGAAGGCATTGTGGGGGACAGGAGGCACATGGGAACAAGTGGCCCTGGCAGGTGAGCCTGCG
TGCCAATGACACCTACTGGATGCATTTCTGCGGTGGCTCCCTCATCCACCACAGTGGGTGCTCACTGCG
GCACACTGTGTGGACCGGATGTTGCTGACCCCAACAAGGTGAGGTACAGCTCCGTAAGCAGTACCTCT
ATTACCATGACCACCTGATGACTGTGAGCCAGATCATCACACACCCCGACTTCTACATCGTCCAGGATGG
GGCAGACATTGCCCTGCTGAAACTCACAAACCCTGTGAACATTTCTGACTATGTCCACCCTGTCCCCTA
CCTCCTGCCTCAGAGACCTTCCCCTCAGGAACGTTGTGCTGGGTGACAGGCTGGGTAACATCGACAATG
GTGTAACCTGCCGCCACCATTTCTTTGAAGGAGGTGCAAGTCCCATATAGAAAACCACCTTTGTGA
CTTGAAGTATCACAAAGGTCTCATCACAGGTGACAATGTCCACATTGTCCGAGATGACATGCTGTGTGCT
GGGAATGAAGGACATGACTCCTGCCAGGGGACTCCGGAGGACCTCTGGTCTGCAAGGTAGAAGACACCT
GGCTGCAGGCAGGCGTGGTCAGCTGGGGTGAAGGCTGCGCACAGCCCAACAGGCTGGCATCTACACCCG
GGTCACCTATTACTTGGATTGGATCCACCGCTATGTCCCCAAGGACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203662 representing NM_031187
Red=Cloning site Green=Tags(s)

MLKLLLLTLPLSSLVLAAPGPAMTREGIVGGQEAHGKWPQVSLRANDTYWMHFCGGS LIHPQWVLT
 AHCYGPDVADPNKVRVQLRKQYL YYHDHLMTVS QIITHPDFYIVQDGAD IALLKLTNPVNI SDYVHPVPL
 PPASETFP SGTLCWVTGWGNIDNGVNL PPFPLKEVQVP IENHLCDLKYHKGLITGDNVHIVRDM LCA
 GNEGHDSCQGD SGGPLVCKVEDTLQAGVVSWGEGCAQPNRPGIYTRVTYYLDWIHRYVPKDF

TRTRPLE - GFP Tag - V

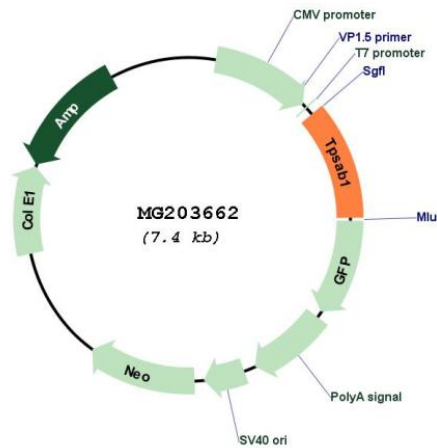
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_031187

ORF Size: 819 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_031187.2 , NP_112464.2
RefSeq Size:	1193 bp
RefSeq ORF:	822 bp
Locus ID:	100503895
UniProt ID:	Q02844
Cytogenetics:	17 12.53 cM
Gene Summary:	Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. May play a role in innate immunity (By similarity).[UniProtKB/Swiss-Prot Function]