

Product datasheet for **SC126411**

TPSAB1 (BC028059) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TPSAB1 (BC028059) Human Untagged Clone
Tag: Tag Free
Symbol: TPSAB1
Synonyms: lung tryptase; mast cell protease II; mast cell tryptase; MCP7; pituitary tryptase; skin tryptase; TPS1; TPS2; TPSB1; tryptase, alpha; tryptase-I; tryptase-III; tryptase 1; tryptase alpha/b; tryptase alpha II; tryptase beta 1; tryptase beta I; tryptase II
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for BC028059 edited

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GGAGTGGCCAGGATGCTGAGCCTGCTGCTGCTGGCGCTGCCCGTCTGGCGAGCCCGGCC
TACGCGGGCCCTGCCCAAGTCCAGGCCCTGCAGCAAGCGGGTATCGTCGGGGGTGAGGAG
GCCCCAGGAGCAAGTGGCCCTGGCAGGTGAGCCTGAGAGTCCGCGACCGATACTGGATG
CACTTCTGTGGGGCTCCCTCATCCACCCCAAGTGGGTGCTGACCGCGGCACACTGCCTG
GGACCGGACGTCAAGGATCTGGCCACCCTCAGGGTGCAACTGCGGGAGCAGCACCTCTAC
TACCAGGACCAGCTGCTGCCGGTCAGCAGGATCATCGTGACCCACAGTTCTACATCATC
CAGACTGGAGCGGATATCGCCCTGCTGGAGCTGGAGGAGCCCGTGAACATCTCCAGCCGC
GTCCACACGGTCATGCTGCCCCCTGCCTCGGAGACCTTCCCCCGGGGATGCCGTGCTGG
GTCACTGGCTGGGGCGATGTGGACAATGATGAGCCCTCCACCGCCATTTCCCTGAAG
CAGGTGAAGTCCCATAATGGAAAACACATTTGTGACGAAAATACCACCTTGGCGCC
TACACGGGAGACGACGTCCGCATCATCCGTGACGACATGCTGTGTGCCGGGAACACCCGG
AGGGACTCATGCCAGGGGACTCTGGAGGGCCCTGGTGTGCAAGGTGAATGGCACCTGG
CTACAGGCGGGCGTGGTCAAGTGGGACGAGGGCTGTGCCAGCCCAACCGCCTGGCATT
TACACCCGTGTCACCTACTACTTGGACTGGATCCACCACTATGTCCCAAAAAGCCGTGA
GTCAGGCCTGGGGTGTCCACCTGGGTCACTGGAGAGCCAGCCCTCCTGTCCAAAACACC
ACTGCTTCTACCCAGGTGGCGACTGCCCCACACCTTCCCTGCCCGTCTGAGTGCC
CCTTCTGTCTAAGCCCCCTGCTCTTCTGAGCCCTTCCCTGTCTGAGGACCCCT
CCCCATCTGAGCCCTTCCCTGTCTAAGCCTGACGCTGCACTGGGCCCTCCGGCC
TCCCTGCCAGGCAGCTGGTGGTGGCGCTAATCCTCCTGAGTGCTGGACCTCATTAAA
GTGCATGAAAATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC028059 unedited CCCCGATCGGGATTTGTAATACGACTTTATATAGGCGGCCGCGNATTCANATCTGGTACC GGTCCGGAATCCCGGGATGGAGTGGCCAGGATGCTGAGCCTGCTGCTGCTGGCGTGCC CGTCCTGGCGAGCCCGGCTACGCGGCCCTGCCCCAGTCCAGGCCCTGCAGCAAGCGGG TATCGTCGGGGTTCAGGAGGCCCCAGGAGCAAGTGGCCCTGGCAGGTGAGCCTGAGAGT CCGCGACCGGATACTGGATGCACTTCTGTGGGGGCTCCCTCATCCACCCCAAGTGGGTGCT GACCGCGGCGCACTGCTGGGACCGGACGTCAAGGATCTGGCCACCCTCAGGGTGCAACT GCGGGAGCAGCACCTCTACTACCAGGACCAGCTGCTGCCGGTCAGCAGGATCATCGTGCA CCCACAGTTCTACATCATCCAGACTGGAGCGGATATCGCCCTGCTGGAGCTGGAGGAGCC CGTGAACATCTCCAGCCGCTCCACACGGTCATGCTGCCCCCTGCCTCGGAGACCTTCCC CCCGGGGATGCCGTGCTGGGTCACTGGCTGGGGCGATGTGGACAATGATGAGCCCTCCC ACCGCCATTTCCCTGAAGCAGGTGAAGTCCCATAATGAAAAACCACATTTGTGACGC AAAATACCACCTTGGCGCTACACGGGAGACGACGTCCGCATCATCCGTGACGACATGCT GTGTGCCGGGAACACCCGAGGGACTCATGCCAGGGCGACTCTGGAGGGCCCTGGTGTG CAAGTGAATGGGACCTGGCTACAGGCGGGCGTGGTCAGCTGGGACGAGGCTGTGCCAAC CCAACCGCCTGGCATCTACACCGGGTCACCTACTACCTGGGACTGTATCCCACCCT
Restriction Sites:	Please inquire
ACCN:	BC028059
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC028059.1 , AAH28059.1
RefSeq Size:	1206 bp
Locus ID:	7177
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Protease, Secreted Protein

Gene Summary:

Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes are characterized by several distinct features. They have a highly conserved 3' UTR and contain tandem repeat sequences at the 5' flank and 3' UTR which are thought to play a role in regulation of the mRNA stability. These genes have an intron immediately upstream of the initiator Met codon, which separates the site of transcription initiation from protein coding sequence. This feature is characteristic of tryptases but is unusual in other genes. The alleles of this gene exhibit an unusual amount of sequence variation, such that the alleles were once thought to represent two separate genes, alpha and beta 1. Beta tryptases appear to be the main isoenzymes expressed in mast cells; whereas in basophils, alpha tryptases predominate. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. [provided by RefSeq, Jul 2008]