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Product datasheet for SC204130

TPSAB1 (NM_003294) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TPSAB1 (NM_003294) Human 3' UTR Clone
Symbol:	TPSAB1
Synonyms:	TPS1; TPS2; TPSB1; TPSB2; Tryptase-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003294
Insert Size:	344 bp
Insert Sequence:	>SC204130 3'UTR clone of NM_003294 The sequence shown below is from the reference sequence of NM_003294. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ATCCACCACTATGTCCCCAAAAAGCCGTGAGTCAGGCCTGGGTTGGCCACCTGGGTCACTGGAGGACCA ACCCCTGCTGTCCAAAACACCACTGCTTCCTACCCAGGTGGCGACTGCCCCCCACACCTTCCCTGCCCC GTCCTGAGTGCCCCTTCCTGTCCTAAGCCCCCTGCTCTCTTCTGAGCCCCTTCCCCTGTCCTGAGGACC CTTCCCTATCCTGAGCCCCCTTCCCTGTCCTAAGCCTGACGCCTGCACCGGGCCCTCCAGCCCTCCCCT GCCCAGATAGCTGGTGGTGGGCGCTAATCCTCCTGAGTGCTGGACCTCATTAAAGTGCATGGAAATCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_003294.4

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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]

Locus ID: 7177

MW: 11.9