

Product datasheet for **SC113794**

Tapasin Related Protein (TAPBPL) (NM_018009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tapasin Related Protein (TAPBPL) (NM_018009) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tapasin Related Protein
Synonyms:	TAPBP-R; TAPBPR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC113794 sequence for NM_018009 edited (data generated by NextGen Sequencing)

```

ATGGGCACACAGGAGGGCTGGTGCCTGCTGCTCTGCTGGCTCTATCTGGAGCAGCAGAA
ACCAAGCCCCACCCAGCAGAGGGGCAGTGGCGGGCAGTGGACGTGGTCTAGACTGTTTC
CTGGTGAAGGACGGTGCACCCGTGGAGCTCTCGCCAGCAGTGAAGACAGGGCAAGGGCC
TCCCTTGTGCTGAAGCAGGTGCCAGTGTGGACGATGGCTCCCTGGAGGACTTACCAGAT
TTCCAAGGGGGCACACTGGCCCAAGATGACCCACCTATTATCTTTGAGGCCTCAGTGGAC
CTGGTCCAGATTCCCCAGGCCGAGGCCTTGCTCCATGCTGACTGCAGTGGGAAGGAGGTG
ACCTGTGAGATCTCCCGCTACTTTCTCCAGATGACAGAGACCACTGTTAAGACAGCAGCT
TGGTTCATGGCCAACGTGCAGGTCTCTGGAGGGGGACCTAGCATCTCCTTGGTGTGAAG
ACTCCCAGGGTCGCCAAGAATGAGGTGCTCTGGCACCCAACGCTGAACTTGCCACTGAGC
CCCCAGGGGACTGTGCGAACTGCAGTGGAGTTCAGGTGATGACACAGACCCAATCCCTG
AGTTCCTGCTGGGGTCTCAGCCTCCTGGACTGTGGCTTCTCCATGGCACCGGGCTTG
GACCTCATCAGTGTGGAGTGGCGACTGCAGCACAAGGGCAGGGGTGAGTGGTGTACAGC
TGGACCGCAGGGCAGGGGAGGCTGTGCGGAAGGGCGCTACCCTGGAGCCTGCACAACCTG
GGCATGGCCAGGGATGCCTCCCTCACCTGCCCGCCTACTATACAGGACGAGGGGACC
TACATTTGCCAGATCACACCTCTCTGTACCGAGCTCAGCAGATCATCCAGCTCAACATC
CAAGCTTCCCCTAAAGTACGACTGAGCTTGGCAAACGAAGCTCTGCTGCCACCCCTCATC
TGCGACATTGCTGGCTATTACCTCTGGATGTGGTGGTGCAGTGGACCCGAGAGGAGCTG
GGTGGATCCCCAGCCAAAGTCTCTGGTGCCTCCTTCTCCAGCCTCAGGCAAAGCGTGGCA
GGCACCTACAGCATCTCCTCCTCTCACCGCAGAACCTGGCTCTGCAGGTGCCACTTAC
ACCTGCCAGGTCACACACATCTCTCTGGAGGAGCCCTTGGGGCCAGCACCCAGGTTGTC
CCACCAGAGCGGAGAACAGCCTTGGGAGTCACTTTGCCAGCAGTCTCTTCTTCTTGA
CTGATGTTCTCTGGGGCTTCAGAGACGGCAAGCACCTACAGGACTTGGGCTGCTTACAGCT
GAACGCTGGGAGACCACTTCTGTGCTGACACACAGAGCTCCCATCTCCATGAAGACCGC
ACAGCGCTGTAAGCCAGCCAGCTGA
    
```

Clone variation with respect to NM_018009.4
 117 c=>t;125 c=>t;436 a=>g;493 a=>g;506 c=>t;519 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018009 unedited

```

GCGCATTTTGTAAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCCAGGTGT
GCTTGGAGAGCCCCCTTCTTCCGCCGGGCTCGCAAGCAGCGTAGGACTGTGGAGAAGGG
CGGTGGGCAAGGAGGGAACCTCGAGAGCAGCCTCCATGGGCACACAGGAGGGCTGGTGCCT
GCTGCTCTGCCTGGCTCTATCTGGAGCAGCAGATACCAAGCCCCACCCAGCAGAGGGGCA
GTGGCGGGCAGTGGACGTGGTCCTAGACTGTTTCTGGTGAAGGACGGTGCACCGTGG
AGCTCTCGCCAGCAGTGAAGCAGGGCAAGGGCCTCCCTTGTGCTGAAGCAGGTGCCAGT
GCTGGACGATGGCTCCCTGGAGGACTTACCGATTTCCAAGGGGGCACACTGGCCCAAGA
TGACCCACCTATTATCTTTGAGGCCTCAGTGGACCTGGTCCAGATTCCCCAGGCCGAGGC
CTTGCTCCATGCTGACTGCAGTGGGAAGGAGGTGACCTGTGAGATCTCCCGCTACTTTCT
CCAGATGACAGAGACCACTGTTAAGACAGCAGCTTGGTTCATGGCCAACGTGCAGGTCTC
TGGAGGGGGACCTAGCATCTCCTTGGTGTGAAGACTCCCAGGGTCGCCAAGAATGAGGT
GCTCTGGCACCCAACGCTGAACTTGCCACTGAGCCCCAGGGGACTGTGCGAACTGCAGT
GGAGTTCAGGTGATGACACAGACCCNATCCCTGAGCTTCTGCTGGGGTCTCAGCCTC
CTTGGACTGTGGCTTCTCCATGGCACCGGGCTTGGACCTCATCAGTGTGGAGTGGCGACT
GCAGCACAAGGGCAGGGGTGAGTGGTGTACAACCTGGACCGCAGGNCAGGNGCANGCTGT
TGCGAAGGCGCTACCCTGNAGCTGCACACTGGGCATGGCCAGGATGCCTCCTCACCTGCC
CG
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018009 unedited GGGGAAATTGGGGTTGCCATGTCCTGTTTTCTGACAAGAGCAAAAATACAAATTCCTA CCATTAAACTGGCTTGGTTGTTGTTGGGTTGGAGTAGCTGTGGGGGCTTGGGAAGGGT GTCGTTTCTTTCTAGTAGTCTCATGTCGCTTTAGGTGAGCTGGGCTGGCTTACACGCGT GTGCGGTCTTCATGGAGATGGGAGCTCTGTGTGTGACACAGGAAGTGGTCTCCAGCGT TCAGCCTGAAGCAGCCCAAGTCTGTAGGTGCTTGCCGTCTCTGAAGCCCAGGAACATC AGTGCAAGAAGGAAGAGACTGCTGGCAAAGATGACTCCCAAGGCTGTTCTCCGCTCTGGT GGGACAACCTGGGTGCTGGCCCCAAGGGGCTCCTCCAGAGAGATGTGTGTGACCTGGCAG GTGTAAGTGGCACCTGCAGAGCCAGTTCTGCGGTGAGAGAGGAGGAGATGCTGTAGGTG CCTGCCACGCTTTGCCTGAGGCTGGAGAAGGAGGCACCAGAGACTTGGGCTGGGGATCCA CCCAGCTCCTCTCGGGTCCACGTCACCACCACATCCAGAGGGTAATAGCCAGCAATGTGC CATATGAGGGTGGGCAGCAGAGCTTCGTTTGCCAAAGCTCAGTCGTAAGGGGAAGCT TGGATGTTGAGCTGGATGATCTGCTGAGCTCGGTACAGAGAGGTGGTATCTGGCAAATG TAGGTCCTCGTCTGTATAGTGAGGCCGGGCAGGGTGAGGGAGGCATCCCTGGCCATG CCCAGTTGTGACGCTCCAGGGTAGCGCCCTTCCGCACAGCCTGCCCTGCCCTGCGGTA CAGCTGTACACCAACTGACCCCTGCCCTTGTGCTGCAGTCGCCACTTCACACTGATTGAG T
Restriction Sites:	ECORI-NOT
ACCN:	NM_018009
Insert Size:	1700 bp
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:	<u>NM_018009.3</u> , <u>NP_060479.2</u>
RefSeq Size:	1739 bp
RefSeq ORF:	1407 bp
Locus ID:	55080
UniProt ID:	<u>Q9BX59</u>
Cytogenetics:	12p13.31
Domains:	ig, Igc1, IG

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Tapasin, or TAPBP (MIM 601962), is a member of the variable-constant Ig superfamily that links major histocompatibility complex (MHC) class I molecules to the transporter associated with antigen processing (TAP; see MIM 170260) in the endoplasmic reticulum (ER). The TAPBP gene is located near the MHC complex on chromosome 6p21.3. TAPBPL is a member of the Ig superfamily that is localized on chromosome 12p13.3, a region somewhat paralogous to the MHC.[supplied by OMIM, Mar 2008]