

Product datasheet for **SC201292**

Tapasin (TAPBP) (NM_172208) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Tapasin (TAPBP) (NM_172208) Human 3' UTR Clone
Symbol:	Tapasin
Synonyms:	NGS17; TAPA; TPN; TPSN
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_172208
Insert Size:	199 bp
Insert Sequence:	>SC201292 3'UTR clone of NM_172208 The sequence shown below is from the reference sequence of NM_172208. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC ACTGTAGGACTCTTTGAGCATGCTACT AA TCTATATGTTTCCTTGGGTGTAGGGATTTTAAAAAGTTA CTTAGGCAGTGTGTCCAATAGAAAGATAATGCAAGCCACATATGTAATTTAAATACTCTAGTACTCA CATTAAAAAATAAGCAGAAACAGGTAATAAATAATACCTTATTTAATCTAA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<u>NM_172208.3</u>



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Summary:

This gene encodes a transmembrane glycoprotein which mediates interaction between newly assembled major histocompatibility complex (MHC) class I molecules and the transporter associated with antigen processing (TAP), which is required for the transport of antigenic peptides across the endoplasmic reticulum membrane. This interaction is essential for optimal peptide loading on the MHC class I molecule. Up to four complexes of MHC class I and this protein may be bound to a single TAP molecule. This protein contains a C-terminal double-lysine motif (KKKAE) known to maintain membrane proteins in the endoplasmic reticulum. This gene lies within the major histocompatibility complex on chromosome 6. Alternative splicing results in three transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Locus ID:

6892

MW:

7.8