

Product datasheet for RC219599L4V

OriGene Technologies, Inc.

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Tapasin (TAPBP) (NM_172208) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Tapasin (TAPBP) (NM 172208) Human Tagged ORF Clone Lentiviral Particle

Symbol: Tapasin

Synonyms: NGS17; TAPA; TPN; TPSN

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_172208 **ORF Size:** 1067 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC219599).

Sequence:

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.

RefSeg: NM 172208.1, NP 757345.2

 RefSeq Size:
 2404 bp

 RefSeq ORF:
 1515 bp

 Locus ID:
 6892

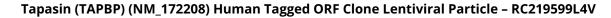
 UniProt ID:
 015533

Cytogenetics: 6p21.32

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Antigen processing and presentation







MW:

51.9 kDa

Gene 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]