

Product datasheet for **SC332117**

CTAGE5 (MIA2) (NM_001247988) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTAGE5 (MIA2) (NM_001247988) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTAGE5
Synonyms:	CTAGE5; MEA6; MGEA; MGEA6; MGEA11; TALI
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332117 representing NM_001247988.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGACCAGATTCTAATCTTTATGGTTTTCCATGGGAATTGGTATATGTGCAGCTGTTGTTGGATTT
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Restriction Sites: SgfI-MluI

ACCN: NM_001247988

Insert Size: 2199 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:

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: [NM_001247988.1](#)

RefSeq Size: 3382 bp

RefSeq ORF: 2199 bp

Locus ID: 4253

UniProt ID: [Q96PC5](#)

Cytogenetics: 14q21.1

Protein Families: Transmembrane

MW: 83.4 kDa

Gene Summary: This gene encodes s receptor in the endoplasmic reticulum, which plays a role in the export of large pre-chylomicrons and pre-very low density lipoproteins (pre-VLDLs). Three major classes of transcripts are generated from this gene- melanoma inhibitory activity 2-specific transcripts, cTAGE family member 5-specific transcripts and transcripts that include exons from both these transcript species (TANGO1-like or TALI). Additionally, alternative splicing in these transcripts results in multiple transcript variants encoding multiple isoforms. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (5) differs in the 5' UTR and coding sequence, lacks an alternate in-frame exon, and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 6. It encodes isoform 5, which is shorter at the N-terminus and lacks two internal segments compared to isoform 6. Variants 5 and 12 both encode the same isoform (5). **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.