

Product datasheet for SC301242

CT45A5 (NM_001007551) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CT45A5 (NM_001007551) Human Untagged Clone
Tag:	Tag Free
Symbol:	CT45A5
Synonyms:	CT45-3; CT45-4; CT45-6; CT45.5; CT45A3; CT45A4; CT45A6; CT45A7; CT455
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301242 representing NM_001007551. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGACCGATAAAACAGAGAAGGTGGCTGTAGATCCTGAACTGTGTTAAACGTCCAGGGAATGTGAC
 AGTCCTTCGTATCAGAAAAGGCAGAGGATGGCCCTGTTGGCAAGGAAACAAGGAGCAGGAGACAGCCTT
 ATTGCAGGCTCTGCCATGTCCAAAGAAAAGAAGCTTATGACAGGACATGCTATTCACCCAGCCAATTG
 GATTCTCAGATTGATGACTTCACTGGTTTCAGCAAAGATGGGATGATGCAGAAACCTGGTAGCAATGCA
 CCTGTGGGAGGAAACGTTACCAGCAGTTTCTCTGGAGATGACCTAGAATGCAGAGAAACAGCCTCCTCT
 CCCAAAGCCAACGAGAAATTAATGCTGATATAAAACGTAAATTAGTGAAGGAACCCGATGCGTTGGA
 CAAAAATATGAAAAATCTTCGAAATGCTTGAAGGAGTGAAGGACCTACTGCAGTCAGGAAGCGATTT
 TTTGAATCCATCATCAAGGAAGCAGCAAGATGTATGAGACGAGACTTTGTTAAGCACCTTAAGAAGAAA
 CTGAAACGTATGATTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001007551
Insert Size:	570 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001007551.4</u>
RefSeq Size:	1321 bp
RefSeq ORF:	570 bp
Locus ID:	441521
UniProt ID:	<u>Q6NSH3</u>
Cytogenetics:	Xq26.3
MW:	21.2 kDa
Gene Summary:	This gene represents one of a cluster of several similar genes located on the q arm of chromosome X. The genes in this cluster encode members of the cancer/testis (CT) family of antigens, and are distinct from other CT antigens. These antigens are thought to be novel therapeutic targets for human cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014] Transcript Variant: This variant (1) represents the shorter transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. COMPLETENESS: complete on the 3' end.