

Product datasheet for RC211659

CTAG2 (NM_172377) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	CTAG2 (NM_172377) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTAG2
Synonyms:	CAMEL; CT2; CT6.2; CT6.2a; CT6.2b; ESO2; LAGE-1; LAGE2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC211659 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGCAGGCCGAAGGCCGGGGCACAGGGGGTTCGACGGGCGATGCTGATGGCCCAGGAGGCCCTGGCATTC CTGATGGCCCAGGGGGCAATGCTGGCGGCGCAGGAGAGGGCGGGTGCCACGGGCGGCAGAGGTCCCCGGGG CGCAGGGCAGCAAGGGCCTCGGGGGCCGAGAGGAGGAGGCCGCCCGC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGG TTTAA
Protein Sequence:	>RC211659 protein sequence Red=Cloning site Green=Tags(s)
	MQAEGRGTGGSTGDADGPGGPGIPDGPGGNAGGPGEAGATGGRGPRGAGAARASGPRGGAPRGPHGGAAS AQDGRCPCGARRPDSRLLELHITMPFSSPMEAELVRRILSRDAAPLPRPGAVLKDFTVSGNLLFIRLTAA DHRQLQLSISSCLQQLSLLMWITQCFLPVFLAQAPSGQRR
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6444_d01.zip



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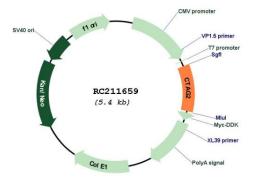
CTAG2 (NM_172377) Human Tagged ORF Clone – RC211659



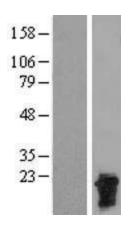
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	CTAG2 (NM_172377) Human Tagged ORF Clone – RC211659
Locus ID:	30848
UniProt ID:	<u>075638</u>
Cytogenetics:	Xq28
MW:	18.3 kDa
Gene Summary:	This gene encodes an autoimmunogenic tumor antigen that belongs to the ESO/LAGE family of cancer-testis antigens. This protein is expressed in a wide array of cancers including melanoma, breast cancer, bladder cancer and prostate cancer. This protein is also expressed in normal testis tissue. An alternative open reading frame product of this gene has been described in PMID:10399963. This alternate protein, termed CAMEL, is a tumor antigen that is recognized by melanoma-specific cytotoxic T-lymphocytes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:

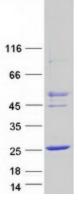


Circular map for RC211659



Western blot validation of overexpression lysate (Cat# [LY406703]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211659 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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Coomassie blue staining of purified CTAG2 protein (Cat# [TP311659]). The protein was produced from HEK293T cells transfected with CTAG2 cDNA clone (Cat# RC211659) using MegaTran 2.0 (Cat# [TT210002]).

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