

Product datasheet for RC208276

CD3E (NM_000733) Human Tagged ORF Clone

Product data:

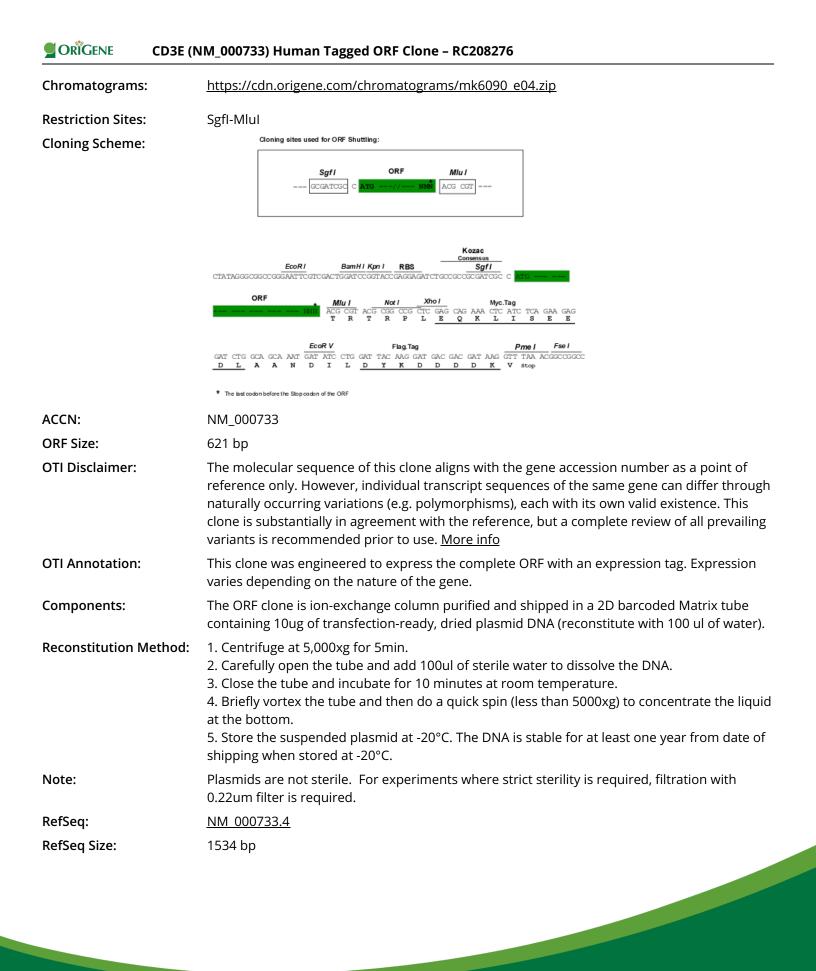
OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	CD3E (NM_000733) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD3E
Synonyms:	IMD18; T3E; TCRE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC208276 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGCAGTCGGGCACTCACTGGAGAGTTCTGGGCCTCTGCCTCTTATCAGTTGGTGTTTGGGGGCAAGATG GTAATGAAGAAATGGGTGGTATTACACAGACACCATATAAAGTCTCCATCTCTGGAACCACAGTAATATT GACATGCCCTCAGTATCCTGGATCTGAAATACTATGGCAACACAATGATAAAAACATAGGCGGTGATGAG GATGATAAAAACATAGGCAGTGATGAGGATCACCTGTCACTGAAGGAATTTTCAGAATTGGAGCAAAGTG GTTATTATGTCTGCTACCCCAGAGGAAGCAAACCAGAAGATGCGAACTTTTATCTCTACCTGAGGGCAAG AGTGTGTGAGAACTGCATGGAGGATGGATGTGATGT
Protein Sequence:	<pre>>RC208276 protein sequence Red=Cloning site Green=Tags(s) MQSGTHWRVLGLCLLSVGVWGQDGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQHNDKNIGGDE DDKNIGSDEDHLSLKEFSELEQSGYYVCYPRGSKPEDANFYLYLRARVCENCMEMDVMSVATIVIVDICI TGGLLLLVYYWSKNRKAKAKPVTRGAGAGGRQRGQNKERPPPVPNPDYEPIRKGQRDLYSGLNQRRI TRTRPLEQKLISEEDLAANDILDYKDDDDKV</pre>



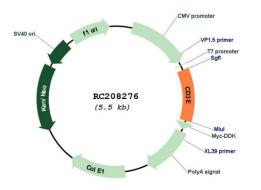
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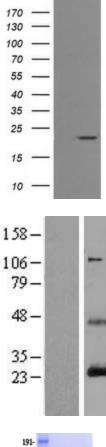
	E (NM_000733) Human Tagged ORF Clone – RC208276
RefSeq ORF:	624 bp
Locus ID:	916
UniProt ID:	<u>P07766</u>
Cytogenetics:	11q23.3
Domains:	ITAM, IGc2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway
MW:	23.1 kDa
Gene Summary:	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3- gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008]

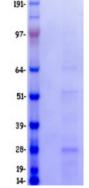
Product images:



Circular map for RC208276

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HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD3E (Cat# RC208276, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD3E(Cat# [TA506064]). Positive lysates [LY400242] (100ug) and [LC400242] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY400242]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208276 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified CD3E protein (Cat# [TP308276]). The protein was produced from HEK293T cells transfected with CD3E cDNA clone (Cat# RC208276) using MegaTran 2.0 (Cat# [TT210002]).

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