

Product datasheet for **RR205813**

Ces1d (NM_133295) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces1d (NM_133295) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ces1d
Synonyms:	Ces3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205813 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGCCTCTACCCTCTGGTCTGGCTTTTTCTGTGCTGCGTGCACAGCTTGGGGTACCCATCCTCACCAC
 CTGTGGTGAACACTGTTAAAGGCAAAGTCTGGGGAAGTATGTCAATTTGGAAGGATTTGCACAGCCTGT
 GGCTGTTTTCTGGGAATCCCCTTCGCCAAGCCCCCTCTGGCTCCTTGAGGTTTCTCCACCACAGCCT
 GCAGAGCCTTGGAACTTTGTGAAGAATACTACCTCCTACCACCTATGTGCTCTCAAGATGCTGTTGGAG
 GGCAGGTTCTCTCAGAGCTTTTACCAACAGGAAGGAAAACATTCCTTTACAGTTTTCTGAAGACTGCC
 CTACCTGAACGTTTATACTCCCCTGACTTGACAAAGAAGAGCCGGCTACCAGTGTGGTGTGGATCCAT
 GGAGGTGGACTGGTAGTGGTGGAGCATCCACCTATGATGGACAGGTCTCTCTGCCATGAAAATGTGG
 TGGTGGTACCATTAGTATCGCCTTGGCATCTGGGGATTCTTCAGCACAGGGGATGAACACAGCCAGGG
 CAACTGGGGTCACTTGGACCAGGTGGCTGCACTACACTGGGTCCAGGACAACATTGCCAACTTTGGGGT
 AACCCAGGCTCTGTGACCATCTTTGAGAATCTGCAGGAGGTTTCAAGTGTCTCTGCTCTTGTTATCTC
 CTCTGGCCAAGAACCTTCCACAGGGCCATTTCTGAGAGTGGTGTGGTCTCACTTCTGCTCTGATTAC
 AACAGATAGCAAGCCATTGCTAATCTGATTGCTACTCTTTCTGGGTGTAACCACCACATCAGCTGTT
 ATGGTTCAATGCTGCGCCAGAAGACAGAGGATGAACCTCTGGAGACTTCATTAATAATGAACTTTTCA
 AACTGGATTTACTTGGAAACCCAAAAGAGAGCTATCCCTTCTACCTACTGTGATTGACGGAGTGGTGT
 GCCAAAGACACCAAGAAGATCCTGACTGAGAAGATTTCAACACAGTCCCCTACATAGTGGCATCAAC
 AAGCAAGAGTTTGGCTGGATCATTCCAACGCTTATGGGCTATCCACTCTCCGAAGGCAAACCTGGACCAGA
 AAACAGCCAAATCCCTCTTGTGGAAGTCTACCAACTGAAAATCTCTGAGAAAATGATCCAGTGGT
 TGCTGAGAAGTACTTCGAGGGACAGATGACCCTGCCAAAAGGAAAGACCTGTTCCAGGACTTGGTTGCA
 GATGTGATGTTTGGTGTCCCATCAGTAATGGTGTCTGAAAGTACACAGAGATGCTGGAGCCCCACCTTCA
 TGTATGAATTTGAGTATCGCCCAAGCTTTGATCAGCCATGAGGCCCAAGACAGTATCGGAGACCATGG
 TGATGAACTCTTCTCAGTATTTGGATCTCCATTTTTAAAAGATGGTGCCTCAGAAGAGGAGACCAATCTC
 AGCAAAATGGTATGAAATACTGGGCCAACTTTGCTCGGAATGGGAGCCCAATGGGGGAGGGCTGCCCC
 ATTGGCCAGAATATGACCAGAAGGAAGGTACCTGAAGATTGGTGCCTCAACTCAGGCAGCCAGAGGCT
 GAAGGACAAAAGTGGCTTTTTGGTCTGAGCTCAGGGCCAAGGAGGCAGCAGAGGAACCATCCCCTGG
 AACATGTTGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205813 protein sequence
 Red=Cloning site Green=Tags(s)

MRLYPLVWLFLAACTAWGYPPVNTVKGKVLGKYVNLGFAQPVAVFLGIPFAKPLGSLRFAPPQP
 AEPWNFVKNTTSYPPMCSQDAVGGQVLSLFTNRKENIPLQFSEDCLYLNVTYPADLTKNSRLPVMVWIH
 GGGLVVGASTYDQVLSAHENVVVTIQYRLGIWGFSTGDEHSQGNWGHLDQVAALHWVQDNIAFNFGG
 NPGSVTIFGESAGGFSVSALVLSPLAKNLFHRAISESGVLTSALETTDSKPIANLIATLSGCKTTTSAV
 MVHCLRQKTEDELLETSLKLNLFKLDLLGNPKESYPFLPTVIDGVVLPKTPEEILTEKSFNTVPYIVGIN
 KQEFGWIIPTLMGYPLSEGKLDQKTAKSLLWKSYPYTLKISEKMIPVVAEKYFGGTDPAKRKDLFQDLVA
 DVMFVGVPVMSRSHRDAGAPTFMYEFYRPSFVSAMRPKTVIGDHGDELFSVFGSPFLKDGASEEETNL
 SKMVMKYWANFARNGSPNGGLPHWPEYDQKEGYLKIGASTQAAQRLKDKKEVAFWSELRAKEAAEESHV
 KHVEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133295

ORF Size: 1695 bp

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.

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_133295.3](#), [NP_579829.3](#)
RefSeq Size: 1938 bp

RefSeq ORF: 1698 bp

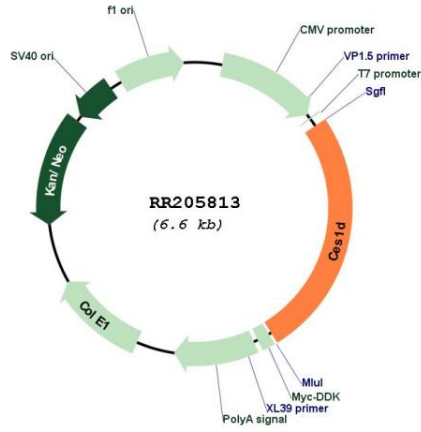
Locus ID: 113902

UniProt ID: [P16303](#)
Cytogenetics: 19p11

MW: 62.2 kDa

Gene Summary: enzyme that hydrolyzes long-chain fatty acids and thioesters; may play a role in lipid metabolism and/or the elimination of toxic substances [RGD, Feb 2006]

Product images:



Circular map for RR205813