

Product datasheet for **RN211544**

Ces2a (NM_144743) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces2a (NM_144743) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ces2a
Synonyms:	Ces6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211544 representing NM_144743
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTTGGCTAGACTTCTGTTGGCTGTATGTTGTAGCCTGTGGCTCCTGCTTCTCCTCCAGCATG
 TGCACGGCCAGGACTCAGCCAGCCCCATCAGGAACACACACGGGTGAGGTGAGAGGCAGCTTTGTCCA
 TGTGAAGGACACTAAATCTGGTATCCACACCTTCTGGGAATTCCTTTGCCAAGCCTCCTGTAGGACCG
 CTGCGCTTTGCACCTCCTGAGGACCTGAGCCATGGAGTGGTGTGAGAGATGCGACCTCAGACCGGCCA
 TGTGTCTGCAGACGGATATAATGAATTTAGATGGTATCAAGGAAATGAAGCTGACCGTGCATCCCACCCC
 TATGTCTGAAGACTGCCTGTATCTCAACATCTATACACCAGCTCATGCCGTGAGGGCTCTAACCTGCCT
 GTGATGGTATGGATCCACGGTGGTGGGCTGTTCTAGGATCAGCTTCCATGAATGATGCATCCACACTGG
 CAGCTACTGAGGAAATAGTAATTGTCTCCATCCAGTATCGTTTGGGTGTCCTTGGCTTCTCAGCACTGG
 AGACCAGAATGCCAGAGGCAACTGGGGATACCTGGACCAAGTGGCTGCCCTACGCTGGGTCCAGCAAAAT
 ATTGCTTACTTTGGAGGCAACCATGGCAAGGTCACTATATTTGGTGGCTCAGCAGGAGGCACAAGTGTGT
 CTTCCCATGTTGTGTCCCCATGTCAAAGGACTCTTTCATGGAGCTATTATGCAGAGTGGAGTGGCCCT
 GCTGCCTGACCTCATCTCTGATAAATCTGAGGTGGTCTACAAGACAGTAGCCAACCTATCTGGATGTGAG
 GCCCCAGACTCAGAAGCCCTGATACGCTGCCTGCGAGCAAAGAGTAAACAAGAGATCCTGGCTATTAACC
 AGGTCTTCAAGATGATTCTGGTGTGGTGGATGGAAAGTTCCTACCCAAACATCCTCAGGAGCTGTTGGC
 CTCTGGTGATTTTACCCTGTCCCAAGCATATTGGTATCAACACAGATGAATGTGGCTGGGAATCCCT
 GTGTTCTGGGCCTTGACCATATAATAAGAAAATAACCAGAGAGACCCTGCCCACTGTTCTAAAGAGCA
 CAGCAGCACAGATGATGCTGCCTCCTGAGTGTATTGACCTGATAATGGAAGAGTACATGGGGGACACTGA
 GAACCCAGAGACCCTCCAAGAACAGTTCAGACACATGCTGGGGGACTTCATGTTTGTGATCCCTGCCCTG
 CAAGTAGCACATTTCCAACGTTCCAGGCTCCTGTCTACTTTTATGAGTTCAGCATCTGCCAGCTTCA
 TCAAGCAAGTCAGACCATCCCATGTTAAGGCAGACCATGGTGTGACATTCTCTTGTCTTTGGCTCCTA
 CTTGTGGGGCATGACCTTTGACCTCACTGAGGAGGAGGAGCTGCTGAAGAGGAGGGTGTGAAGTACTGG
 GCCAATTTGCAAGAACTGGGAACCCCAATGGTGAAGATCTACCCCACTGGCCTGTGTTGGACCATGATG
 AGCAGTATTTGCAGTTGAACACCCAGCCTGCTGTGGGCCGAGCCCTAAAGGCCAGAAGGCTGCAGTTCTG
 GACCAAGACTCTGCCCCAGAAGATCCAGGAGCTAAAGGGTCTCAGAGCAAGCATGCAGAGCTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_144743

Insert Size: 1677 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:	<u>NM_144743.1, NP_653344.1</u>
RefSeq Size:	1856 bp
RefSeq ORF:	1677 bp
Locus ID:	246252
UniProt ID:	<u>Q8K3R0</u>
Cytogenetics:	19p14
Gene Summary:	catalyzes the hydrolysis of retinyl palmitate to retinol in retinoid metabolism [RGD, Feb 2006]