

Product datasheet for **SC108697**

ENOSF1 (NM_017512) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENOSF1 (NM_017512) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENOSF1
Synonyms:	FUCD; RTS; TYMSAS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017512, the custom clone sequence may differ by one or more nucleotides

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ATGGTGC GCGGCAGGATCTCCGGCTCTCGGTCCGGGACGTGCGCTTCCCCACGTCGCTTGGGGGCCACG
GCGCGGACGCCATGCACACGGACCCTGACTACTCGGCTGCCTATGTCGTCATAGAACTGATGCAGAAGA
TGAATCAAGGGGTGTGAATTACCTTCACTCTGGGAAAAGGCACTGAAGTTGTTGTCTGTGCTGTGAAT
GCCCTCGCCACCATGTGCTCAACAAGGACCTCAAGGACATTGTTGGTGACTTCAGAGGCTTCTATAGGC
AGCTCACAAGTGATGGGCAGCTCAGATGGATTGGTCCAGAAAAGGCGTGGTGACCTGGCGACAGCGGC
CGTCCTAAACGCGGTGTGGGACTTGTGGCCAAGCAGGAGGGAAGCCTGTCTGGAAGTTACTTGTGGAC
ATGGATCCCAGGATGCTGGTATCCTGCATAGATTTCAAGTACATCACTGATGTCCTGACTGAGGAGGATG
CCCTAGAAATACTGCAGAAAGGTCAAATTGGTAAAAAAGAAAGAGAGAAGCAAATGCTGGCACAAGGATA
CCCTGCTTACACGACATCGTGCGCTGGCTGGGGTACTCAGATGACACGTTGAAGCAGCTCTGTGCCAG
GCGCTGAAGGATGGCTGGACCAGGTTTAAAGTAAAGGTGGGTGCTGATCTCCAGGATGACATGCCAAGAT
GCCAAATCATCCGAGACATGATTGGACCGGAAAAGACTTTGATGATGGATGCCAACCAGCGCTGGGATGT
GCCTGAGGCGGTGGAGTGGATGTCCAAGCTGGCCAAGTTCAAGCCATTGTGGATTGAGGAGCCAACCTCC
CCTGATGACATTCTGGGGCAGCCACCATTTCGAAGGCACTGGTCCCATTAGGAATTGGCATTGCCACAG
GAGAACAGTGCCACAATAGAGTGATATTTAAGCAACTCCTACAGGCGAAGGCCCTGCAGTTCCTCCAGAT
TGACAGTTGCAGACTGGGCAGTGTCAATGAGAACCTCTCAGTATTGCTGATGGCCAAAAAGTTTGAATT
CCTGTTTGCCCCCATGCTGGTGGAGTTGGCCTCTGTGAAGTGGTGACGACCTGATTATATTGACTACA
TATCAGTTTCTGCAAGCCTTGAAAATAGGGTGTGTGAGTATGTTGACCACCTGCATGAGCATTTCAGTA
TCCCGTGATGATCCAGCGGGCTTCTACATGCCTCCCAAGGATCCCGGCTACTCAACAGAAATGAAGGAG
GAATCTGTAAAGAAACACCAAGTATCCAGATGGTGAAGTTTGAAGAACTCCTTCTGCTCAAGAAAATT
AA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017512 unedited NNGGTAACGGCAAAATTGTATACGACTCATATAGCGGCCGCGNAATTCGCACCAGGGTA AGCGCGGACGCCATGCACACGGACCCTGACTACTCGGCTGCCTATGTCGTCATAGAACT GATGCAGAAGATGGAATCAAGGGGTGTGGAATTACCTTCACTCTGGGAAAAGGCACTGAA GTTGTTGTCTGTGCTGTGAATGCCCTCGCCACCATGTGCTCAACAAGGACCTCAAGGAC ATTGTTGGTGACTTCAGAGGCTTCTATAGGCAGCTCACAAGTGATGGGCAGCTCAGATGG ATTGGTCCAGAAAAGGGCGTGGTGACCTGGCGACAGCGCCGCTCCTAACGCGGTGTGG GACTTGTGGGCCAAGCAGGAGGGAAAGCCTGTCTGGAAGTTACTTGTGGACATGGATCCC AGGATGCTGGTATCCTGCATAGATTTTCAGGTACATCACTGATGTCCTGACTGAGGAGGAT GCCCTAGAAATACTGCAGAAAGGTCAAATTGGTAAAAAGAAAGAGAGAAGCAAATGCTGG CACAAGGATACCCTGCTTACACGACATCGTGCGCTGGCTGGGGTACTCAGATGACACGT TGAAGCAGCTCTGTGCCAGGCGCTGAAGGATGGCTGGACCAGGTTTAAAGTAAAGGTGG GTGCTGATCTCCAGGATGACATGCGAAGATGCCAAATCATCCGAGACATGATTGGACCGG ANAAGACTTTGATGATGGATGCCAACCAGCGCTGGGATGTGCTGANGCNNGTGGAGTGG ATGTCCAAGCTGGCCAAGTTCAAGCCATTGTGGATTGAGGAGCCAACCTCCCCTGATGAC ATTCTGGGGCACGCCACCATTTCGAAGGCACTGGNTCCATTAGGAATTGGCATTGCCACA NGAGGACAA
Restriction Sites:	NotI-NotI
ACCN:	NM_017512
Insert Size:	1750 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_017512.2</u> , <u>NP_059982.2</u>
RefSeq Size:	5406 bp
RefSeq ORF:	5406 bp
Locus ID:	55556
UniProt ID:	<u>Q7L5Y1</u>
Cytogenetics:	18p11.32
Domains:	MR_MLE

Gene Summary:

This gene can encode a mitochondrial enzyme that is thought to convert L-fuconate to 2-keto-3-deoxy-L-fuconate. This locus was originally identified as the source of antisense RNAs of the adjacent thymidylate synthase gene. Splice variants at this locus may contain an alternate 3' exon that is complementary to the 3'UTR and terminal intron of the thymidylate synthase (TS) RNA and may downregulate TS expression. [provided by RefSeq, Aug 2017]

Transcript Variant: This variant (1) encodes isoform rTSbeta. Both variants 1 and 4 encode the same isoform.