

Product datasheet for SC323001

ENOSF1 (NM_001126123) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENOSF1 (NM_001126123) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENOSF1
Synonyms:	RTS; TYMSAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323001 representing NM_001126123. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCAGAAGATGGAATCAAGGGGTGTGGAATTACCTTCACTCTGGGAAAAGGCACTGAAGTTGATTGGT
 CCAGAAAAGGGCGTGGTGACCTGGCGACAGCGGCCGTCTAAACGCGGTGTGGGACTTGTGGGCCAAG
 CAGGAGGGAAAGCCTGTCTGGAAGTTACTTGTGGACATGGATCCCAGGATGCTGGTATCCTGCATAGAT
 TTCAGGTACATCACTGATGTCCTGACTGAGGAGGATGCCCTAGAAATACTGCAGAAAGGTCAAATTGGT
 AAAAAAGAAAGAGAGAAGCAAATGCTGGCACAAGGATACCCTGCTTACACGACATCGTGCCTGGCTG
 GGGTACTCAGATGACACGTTGAAGCAGCTCTGTGCCAGGCGCTGAAGGATGGCTGGACCAGGTTTAAA
 GTAAAGGTGGGTGCTGATCTCCAGGATGACATGCGAAGATGCCAAATCATCCGAGACATGATTGGACCG
 GAAAAGACTTTGATGATGGATGCCAACCAGCGCTGGGATGTGCCTGAGGCGGTGGAGTGGATGTCCAAG
 CTGGCCAAGTTCAAGCCATTGTGGATTGAGGAGCCAACCTCCCCTGATGACATTCTGGGGCACGCCACC
 ATTTCCAAGGCACTGGTCCCATTAGGAATTGGCATTGCCACAGGAGAACAGTGCCACAATAGAGTGATA
 TTTAAGCAACTCTACAGGCGAAGGCCCTGCAGTTCCTCCAGATTGACAGTTGCAGACTGGGCAGTGTC
 AATGAGAACCTCTCAGTATTGCTGATGGCCAAAAAGTTTGAAATTCCTGTTTGGCCCCATGCTGGTGGA
 GTTGGCCTCTGTGAAGTGGTGACGACCTGATTATATTTGACTACATATCAGTTTCTGCAAGCCTTGAA
 AATAGGGTGTGTGAGTATGTTGACCACCTGCATGAGCATTCAAGTATCCCGTGATGATCCAGCGGGCT
 TCCTACATGCCTCCCAAGGATCCCGGCTACTCAACAGAAATGAAGGAGGAATCTGTAAAGAAACACCAG
 TATCCAGATGGTGAAGTTTGGAAGAACTCCTTCTGCTCAAGAAAAT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001126123


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Insert Size:	1086 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001126123.3</u>
RefSeq Size:	4206 bp
RefSeq ORF:	1086 bp
Locus ID:	55556
UniProt ID:	<u>Q7L5Y1</u>
Cytogenetics:	18p11.32
MW:	41 kDa
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 (2) uses alternate splicing in the 3' UTR, lacks an exon in the 5' coding region, and uses an alternate frameshifted start codon, compared to variant 1. The encoded isoform (rTSalpha) has a shorter and distinct N-terminus, compared to isoform rTSbeta.