

Product datasheet for **RN210655**

Enoph1 (NM_001009391) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Enoph1 (NM_001009391) Rat Untagged Clone
Tag: Tag Free
Symbol: Enoph1
Synonyms: RGD1309016
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210655 representing NM_001009391
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTCGTGGTTCTGTGCCCGCCGAAGTCACCGTAATCCTGTTAGATATCGAAGGTACCACAACCCGA
TTGCTTTCGTGAAGGACATTTTATTTCCGTACATTAAGGAAAATGTCAAGGAGTATCTGCAGACACACTG
GGAGGAGGAGGAGTGCCAGCAGGATGTCAGCCTGCTGAGGAAGCAGGCTGAAGAAGATGCACATCTGGAT
GGGGCTGTCCCGATACCTGTGGCATCTGGTGGTGACGTGCAGCAGATGATCCAGGCTGTGGTAGACAATG
TGTCTGGCAGATGTCTCATGACCGCAAGACCACGGCGCTCAAGCAGCTGCAGGGCCACATGTGGAAGGC
GGCGTTACCGCTGGCCGCATGAAGGCAGAGGTCTTTGCAGATGTGGTCCCTGCCGTTAGAAGGTGGCGG
GAAGCCGGGATGAAGGTGTACATCTATTCTCAGGGAGCGTGGAGGCGCAGAAGCTGCTCTCGGACATT
CCACAGAGGGAGACATTCTGGAGCTCATCGATGGTCACTTTGATACCAAGATAGGACACAAAGTGGAAAG
TGACAGTTACCGGAAGATTGCAGACAGCATCGGCTGCTCAACCAACAACATCCTATTTCTCACGGATGTC
ACTGTAGAGGCCAGTGTGCCGAGGAAGCAGACGTGCATGTGGCTGTGGTGGTGGAGGCCCTGGCAATGCCG
GGCTAACCGACGACGAGAAAACCTACTACAACCTCATCTCGTCCCTCAGCGAGCTCTACCTGCCGTCTAC
ACAGAGCAAGGTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009391
Insert Size: 786 bp



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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:	<ol style="list-style-type: none">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_001009391.1</u> , <u>NP_001009391.1</u>
RefSeq Size:	1710 bp
RefSeq ORF:	786 bp
Locus ID:	305177
UniProt ID:	<u>Q5PPH0</u>
Cytogenetics:	14p22
Gene Summary:	Bifunctional enzyme that catalyzes the enolization of 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P) into the intermediate 2-hydroxy-3-keto-5-methylthiopentenyl-1-phosphate (HK-MTPenyl-1-P), which is then dephosphorylated to form the acireductone 1,2-dihydroxy-3-keto-5-methylthiopentene (DHK-MTPene).[UniProtKB/Swiss-Prot Function]