

## Product datasheet for **MC201571**

### Enoph1 (NM\_026421) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Enoph1 (NM\_026421) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Enoph1  
**Synonyms:** 2310057D15Rik; BB183658; C81437  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC021429 sequence for NM\_026421  
 CCACGCGTCCGGTCCCAGCTCTGTCTCTGAGCCCCTGGTCGTTTCGCTGTCGCCAGCGCCTCGGTTGTTGC  
 TGGGCCCTCGGGAGCTCAAGACGCGCAGGCGGTGGCCCTCTTAACCAAGGCCGAGCCGTGGTAGCA  
 TCCGGCAGGGAAATGGTGTGGTTTCCGTGCCCGCGAAGTCACCGTAATCCTGTTAGATATCGAAGGTA  
 CCACAACCCCGATTGCTTTCGTGAAGGATGTTTTATTTCCGTACATCAAAGAAAATGTCAAGGAGTACCT  
 GCAGACCCACTGGGAGGAGGAGGAGTGTGAGCAGGACATCAGCCTGCTGAGGAAACAGGCCGAGGAAGAT  
 GCACATCTGGACGGGGCTGTTCTGATACCCGTGGCTTCTGGCAGTGATCTGCAGCAGATGATCCAGGCTG  
 TGGTGGACAACGTGACTGGCAGATGTCCCATGACCGAAAGACCACAGCGCTCAAACAGCTGCAAGGCCA  
 CATGTGGAAGGCAGCTTTCACGGCTGGCCGCATGAAGGCAGAGTCTTTGCAGATGTGGTTCCTGCAGTC  
 AGAAGGTGGAGAGAGGCTGGGATGAAGTATACATCTATTCTTCAGGGAGCGTGGAGGCACAGAAGCTGC  
 TCTTCGGCCATTCCACAGAGGGAGACATCTTGAGCTCATCGACGGTCACTTTGACACCAAGATTGGACA  
 CAAAGTGGACAGTGAGAGTTACCGGAAGATTGCTGATAGCATCGGTTGTTCAACCAACAACATCCTGTTT  
 CTCACGGATGTCACCGTAGAGGCCAGTGTGCTGAGGAGGCGGACGTGCACGTGGCTGTGGTGGTGCAC  
 CTGGCAACGCGGGGCTCACTGACGACGAGAAGACATACTACAACCTCATCACGTCCTTCAGCGAGCTCTA  
 CCTGCCGTCCACCTAGAGCCAGGTCTGAGGAAGAATTGCCGTCCCTAGTGTCTAGCTTTATTCTAACTG  
 TAAAAGTAACGTACTTATGTGTGCACACAGACATGTGCAAGGGTATATACATGGACATGTGCTCAGATTA  
 GTTTCATGGGCACATAATGTGAGAAAAGTTGTCCGTTCCATGAAGACCAAAATTCATGTAAGACACTTT  
 ATGTGTAGACCATAAATCTGTCTTACCAAGCCCGGGTGTATTTGAAACTGCAAAATACTAATCAAATTT  
 GTGATGTTTATCAAATTTGTTTACCAAGTGGAAAGCTAGTTCTGAGAAATATTATCCAGAGCCTGTGTTA  
 TTTTAAAGACTGGACTTGCTTCAAAGGTACCCATACGAGGAGCCACCGTCCCTGTCCCTCGAGGTCAGG  
 TCCACCGCTGCACTAAGGACTCACGGCCAGCGTCCACAAGACTGAGGCCCTGTCCCTGCTCAGAGAAC  
 AGATCCGGAGCAGGTGGTCTGGTCTGAGGAGGAACTGCCTCTGAGCAGTGCTCGGAACAGCTGAGGC  
 CGTGGCGGGCTCCACTAACCCCAAGTGTATCGTGTGTTTATAGCTGCCTTTCTGTGCTTACACAGTTTG  
 AGAGTATATGTTAATGACTATTTTTTTTTAAAAATGTTCTATTGAAACCAGTGTAACAGCACAAAGAGCTC  
 TAATGTGTAACACTTCTCTGAAATGGATATAAGATGTAATTTTTATAACAGCACTGTTTATTCTGATG  
 CATTCTGATGGGTCAGTGTGTCATTAAATTAATAAAGGCATTTTCTTCTCAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_026421
<b>Insert Size:</b>	774 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC021429</a> , <a href="#">AAH21429</a>
<b>RefSeq Size:</b>	1748 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	67870
<b>UniProt ID:</b>	<a href="#">Q8BGB7</a>
<b>Cytogenetics:</b>	5 E4
<b>Gene Summary:</b>	<p>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-methylthiopentyl-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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode the same protein.</p>