

Product datasheet for **SC321962**

MASA (ENOPH1) (NM_021204) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MASA (ENOPH1) (NM_021204) Human Untagged Clone
Tag:	Tag Free
Symbol:	MASA
Synonyms:	E1; MASA; MST145; mtnC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC321962
 GCCTTTTCCAGTTCAGGTGTGCAGAAGTGCCTCTCCCCACGCGCGGGGCTGCACTT
 GGTTCGCTGGTCCGAGATCGCGCGGGGCGCCGGAAGCCCAAGACGGTACCGGGGGCCGC
 AGCCGCAGCCGGCGCCGCCCTCCGCCCTCCCAACAGCAGGCGGAGTCCCGTAGCATCCG
 GTAGGGAAATGGTCGTGCTTTCGGTCCCCGCCGAAGTCACCGTGATCCTGTTAGATATCG
 AAGGTACCACAACCCCGATTGCTTTCGTGAAGGACATTTTATTCCTTACATCGAAGAAA
 ATGTTAAAGAGTATCTGCAGACACATTGGGAAGAAGAGGAGTGCCAGCAGGATGTCAGTC
 TTTTGAGGAAACAGGCTGAAGAGGACGCCACCTGGATGGGGCTTTCCTATCCCTGCAG
 CATCTGGGAATGGAGTGGATGATCTGCAACAGATGATCCAGGCCGTGGTAGATAATGTGT
 GCTGGCAGATGTCCCTGGATCGAAAGACCACTGCACTCAAACAGCTGCAGGGCCACATGT
 GGAGGGCGGCATTACAGCTGGGCGCATGAAAGCAGAGTCTTTGAGATGTAGTTCCAG
 CAGTCAGGAAGTGGAGAGAGGCCGGAATGAAGGTGTACATCTATTCTCAGGGAGTGTGG
 AGGCACAGAACTGTTATTCGGCATTCTACGGAGGGAGATATTCTTGAGCTTGTGATG
 GTCACCTTGATACCAAGATTGGACAAAAGTAGAGAGTAAAAGTTACCGAAAAGTTGCAG
 ACAGCATTGGGTGCTCAACCAACAACATTTTGTCTGACAGATGTTACTCGAGAGGCCA
 GTGCTGCTGAGGAAGCAGATGTGCACGTAGCTGTGGTGGTGGAGACCAGGCAACGCAGGAT
 TAACAGATGATGAGAAGACTTACTACAGCCTCATCACATCCTTCACTGAACTATACCTGC
 CTTCTCAACCTAGAGAAGGGTTGTTAAGGCAGACCGCCCTGTTCCCGAGAGTTGTCCCT
 GTAGTGTCTAGGTTTATTCTAATGGTAAAAGTAACTTACTTAAAAACATATGTACACAT
 ATGTATGCAAGTATGTATATATGTGTATGCTCAGATTAACCTCCATAGGTACATAAGTGA
 AAGAAGTCTCAGTTCAGTGAACACAAAACCTTATTTAAAGATGCTTATATGTAGAAATTG
 TTTCAAATCATACTCTAACCCCTTAGTGAGGGCAAAGTGTAGTTGGTAGAAGAAATTGCTA
 AATACCTATCTAATGTGCTATGTTTATCAAATCGTGTACTAAAAAGGAAAGCTAGTTTTG
 AGAATTTATTCAGAAGCCTTGTATTTTTAAAAATGAAATATTTCAAAGACTGAATATTTT
 CAAAGAAAATGAATAATTCAATGCCCTTGTGATTTAGAAGATTAAACAGCTGTATTTC
 TATTTGCCTCCTTATATATATCAAGACCAAGGTATTTCTTCTGCTTCAAAGAACAAA
 ATTGGGAAAGAAAACCTCACTTGAGTCTTGATCAAACAAGTGTCTTTTACTTAAGAAGAAA
 CTTGGTAATCATTGTGGCACCCACAGCAAGCAGTTGCCTTACCAGTGAAGAAAGGTGCACT
 GAGGTAACATCTAAAACAGAGATGTGGTCTTAATGTTTAAACAGAACAGTTCTAATCCTG
 CCAGTGTATCATTATAGATTTTATAGTTGCCTTCTAACTACTTAGCACAGTTTGAGA
 ATACGTTAATTGCTATTTACTATTTAAAAAGTTTTACTGAAATCAGTCCATAACATTAAG
 ATGAGCCCTAATATGTAAGATTTTCTCTGGAATGGATGTGAGAAATGTAATTTTATAA
 CAGCAGTATTTATCCTGGTTAATTCTAATACGATGTCATGTTAATTTTCATGTTGTGATT
 AATAAAAGCATTTTTTCTTCAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_021204

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:	<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:	NM_021204.1 , NP_067027.1
RefSeq Size:	1992 bp
RefSeq ORF:	786 bp
Locus ID:	58478
UniProt ID:	Q9UHY7
Cytogenetics:	4q21.22
Domains:	Hydrolase
Protein Pathways:	Cysteine and methionine metabolism
Gene Summary:	<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-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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>