

Product datasheet for **SC330396**

THTPA (NM_001256323) Human Untagged Clone

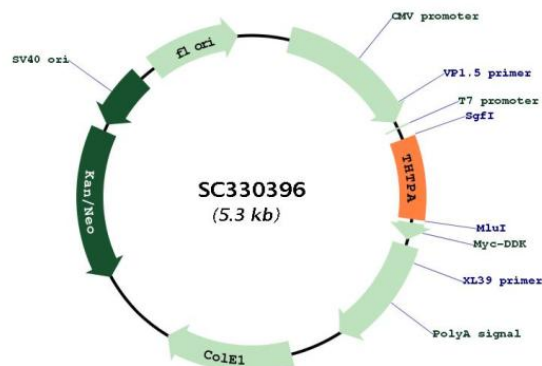
Product data:

Product Type:	Expression Plasmids
Product Name:	THTPA (NM_001256323) Human Untagged Clone
Tag:	Tag Free
Symbol:	THTPA
Synonyms:	THTP; THTPASE
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330396 representing NM_001256323. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCCAGGGCTTGATTGAGGTGGAGCGAAAGTTCCTCCAGGGCCTGGCACAGAGGAGCGGCTGCAG
GAGTTGGGGGGCACCCCTGGAGTACCGGGTACCTTCCGAGACACCTACTATGACACCCCTGAGCTGAGC
CTCATGCAGGCTGACCACTGGCTGCGACGACGAGAGGATAGTGGATGGGAGCTCAAATGTCCTGGAGCA
GCAGGTGTCTTAGGACCCACACGGAGTATAAGGAACTCACAGCGGAACCTACAATTGTGGCCAACTC
TGTGTGCCTGCACAGGAGACAGCACCAGCCAAGCTGATTGTGTATCTACAGCGTTCCGGCCTCAAGAC
TATCAGCGCTGCTAGAAGTGAACAGCTCCAGAGAGAGGCCACAGGAGACTGAAGATCCTGACCCTGC
CTGGGCTAG
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Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001256323
Insert Size:	423 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:	<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_001256323.2</u>
RefSeq Size:	1559 bp
RefSeq ORF:	423 bp
Locus ID:	79178
UniProt ID:	<u>Q9BU02</u>
Cytogenetics:	14q11.2
Protein Pathways:	Metabolic pathways, Thiamine metabolism
MW:	16 kDa
Gene Summary:	<p>This gene encodes an enzyme which catalyzes the biosynthesis of thiamine disphosphate (vitamin B1) by hydrolysis of thiamine triphosphate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (7) lacks a segment of the 5' UTR and uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (3) that is shorter than isoform 1. Both variants 6 and 7 encode isoform 3.</p>