

Product datasheet for SC330354

THTPA (NM_001256062) Human Untagged Clone

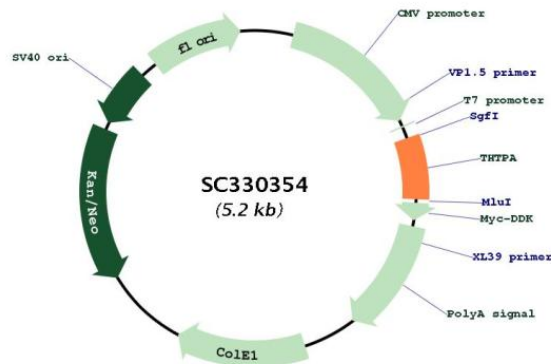
Product data:

Product Type:	Expression Plasmids
Product Name:	THTPA (NM_001256062) Human Untagged Clone
Tag:	Tag Free
Symbol:	THTPA
Synonyms:	THTP; THTPASE
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330354 representing NM_001256062. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCCAGGGCTTGATTGAGGTGGAGCGAAAGTTCCTCCAGGGCCTGGCACAGAGGAGCGGCTGCAG
GAGTTGGGGGGCACCCCTGGAGTACCGGGTCACCTCCGAGACACCTACTATGACACCCCTGAGCTGAGC
CTCATGCAGGCTGACCACTGGCTGCGACGACGAGAGGATAGTGGATGGGAGCTCAAATGTCCTGGAGCA
GCAGGTGTCTTAGGACCCACACGGAGTAAAGGAACACAGCGGAACCTACAATTGTGGCCCAACTC
TGTAAGGTGTGCCTGCACAGGAGACAGCACCAGCCAAGCTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001256062

Insert Size: 318 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:	NM_001256062.2
RefSeq Size:	1963 bp
RefSeq ORF:	318 bp
Locus ID:	79178
UniProt ID:	Q9BU02
Cytogenetics:	14q11.2
Protein Pathways:	Metabolic pathways, Thiamine metabolism
MW:	12 kDa
Gene Summary:	<p>This gene encodes an enzyme which catalyzes the biosynthesis of thiamine diphosphate (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 (4) uses an alternate splice site that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (2) has a distinct and shorter C-terminus, compared to isoform 1. Both variants 4 and 5 encode isoform 2.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>