

Product datasheet for **SC322907**

THTPA (NM_001126339) Human Untagged Clone

Product data:

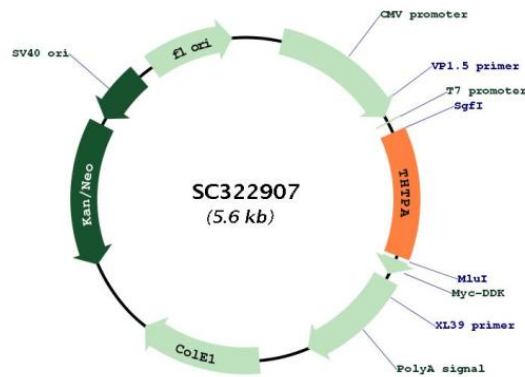
Product Type:	Expression Plasmids
Product Name:	THTPA (NM_001126339) Human Untagged Clone
Tag:	Tag Free
Symbol:	THTPA
Synonyms:	THTP; THTPASE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322907 representing NM_001126339. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGCCCAGGGCTTGATTGAGGTGGAGCGAAAGTTCCTCCAGGGCCTGGCACAGAGGAGCGGCTGCAG
GAGTTGGGGGGCACCCCTGGAGTACCGGGTACCTTCCGAGACACCTACTATGACACCCCTGAGCTGAGC
CTCATGCAGGCTGACCACTGGCTGCGACGACGAGAGGATAGTGGATGGGAGCTCAAATGTCCTGGAGCA
GCAGGTGTCTTAGGACCCACACGGAGTATAAGGAACTCACAGCGGAACCTACAATTGTGGCCAACTC
TGTAAGGTGCTGCGGGCTGACGGCCTGGGGCTGGAGATGTGGCTGCTGTGCTGGGCCACTGGGGCTG
CAGGAAGTAGCTAGTTTTGTGACTAAGCGGAGTGCCTGGAAGCTGGTGTCTTGGGAGCTGATGAAGAG
GAGCCACAGCTCAGGGTGGACTTGGATACAGCCGACTTTGGCTACGCTGTGGGTGAGGTAGAGGCCCTG
GTGCATGAGGAGGCTGAAGTACCAACTGCCCTAGAGAAGATCCACAGGCTCAGCAGCATGCTTGGTGTG
CCTGCACAGGAGACAGCACCAGCCAAGCTGATTGTGTATCTACAGCGTTTCCGGCCTCAAGACTATCAG
CGCCTGCTAGAAGTGAACAGCTCCAGAGAGAGGCCACAGGAGACTGAAGATCCTGACCACTGCCTGGGC
TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001126339

Insert Size: 693 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).

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:

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_001126339.3](#)

RefSeq Size:	1829 bp
RefSeq ORF:	693 bp
Locus ID:	79178
UniProt ID:	Q9BU02
Cytogenetics:	14q11.2
Protein Pathways:	Metabolic pathways, Thiamine metabolism
MW:	25.6 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 (2) lacks a segment of the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (1).</p>