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Product datasheet for SC330394

THTPA (NM_001256321) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: THTPA (NM_001256321) Human Untagged Clone

Tag: Tag Free

Symbol: THTPA

Synonyms: THTP; THTPASE

Vector: pCMV6-Entry (PS100001)

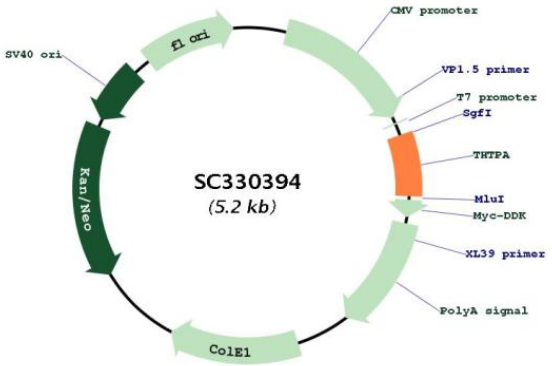
Fully Sequenced ORF:

>SC330394 representing NM_001256321.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCCAGGGCTTGATTGAGGTGGAGCGAAAGTTCCTTCCAGGGCCTGGCACAGAGGAGCGGCTGCAG
GAGTTGGGGGGCACCCTGGAGTACCGGGTCACCTTCCGAGACACCTACTATGACACCCCTGAGCTGAGC
CTCATGCAGGCTGACCACTGGCTGCGACGACGAGAGGATAGTGGATGGGAGCTCAAATGTCCTGGAGCA
GCAGGTGTCTTAGGACCCCACACGGAGTATAAGGAACTCACAGCGGAACCTACAATTGTGGCCCAACTC
TGTAAGGTGTGCCTGCACAGGAGACAGCACCAGCCAAGCTGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001256321

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:	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_001256321.2
RefSeq Size:	1564 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:	This gene encodes an enzyme which catalyzes the biosynthesis of thiamine disphophate (vitamin B1) by hydrolysis of thiamine triphosphate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011] Transcript Variant: This variant (5) lacks a segment of the 5' UTR and 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.