

Product datasheet for RC225287

THTPA (NM_001126339) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THTPA (NM_001126339) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	THTPA
Synonyms:	THTP; THTPASE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225287 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGGCTTGATTGAGGTGGAGCGAAAGTTCCTCCAGGGCTGGCACAGAGGAGCGGCTGCAGG
AGTTGGGGGGCACCCCTGGAGTACCGGGTCACCTCCGAGACACCTACTATGACACCCCTGAGCTGAGCCT
CATGCAGGCTGACCACTGGCTGCGACGACGAGAGGATAGTGGATGGGAGCTCAAATGTCCTGGAGCAGCA
GGTGTCTTAGGACCCACACGGAGTATAAGGAACCTCACAGCGAACCTACAATTGTGCCCAACTCTGTA
AGGTGCTCGGGGCTGACGGCCTGGGGGCTGGAGATGTGGCTGCTGTGCTGGGCCACTGGGGCTGCAGGA
AGTAGCTAGTTTTGTGACTAAGCGGAGTGCCTGGAAGCTGGTGTCTTGGGAGCTGATGAAGAGGAGCCA
CAGCTCAGGGTGGACTTGATACAGCCGACTTTGGCTACGCTGTGGGTGAGGTAGAGGCCCTGGTGCATG
AGGAGGCTGAAGTACCAACTGCCCTAGAGAAGATCCACAGGCTCAGCAGCATGCTTGGTGTGCCTGCACA
GGAGACAGCACCAGCCAAGCTGATTGTGTATCTACAGCGTTTCCGGCCTCAAGACTATCAGCGCCTGCTA
GAAGTGAACAGCTCCAGAGAGAGGCCACAGGAGACTGAAGATCCTGACCACTGCCTGGCC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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](#), [NP_001119811.1](#)

RefSeq Size: 1829 bp

RefSeq ORF: 693 bp

Locus ID: 79178

UniProt ID: [Q9BU02](#)

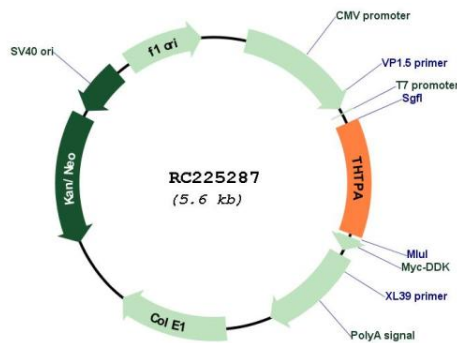
Cytogenetics: 14q11.2

Protein Pathways: Metabolic pathways, Thiamine metabolism

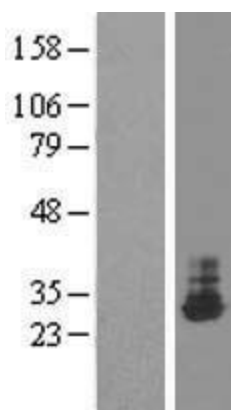
MW: 25.6 kDa

Gene Summary: 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]

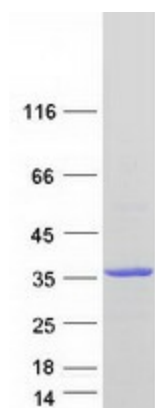
Product images:



Circular map for RC225287



Western blot validation of overexpression lysate (Cat# [LY426679]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225287 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified THTPA protein (Cat# [TP325287]). The protein was produced from HEK293T cells transfected with THTPA cDNA clone (Cat# RC225287) using MegaTran 2.0 (Cat# [TT210002]).