

Product datasheet for **SC300058**

TTPA (NM_000370) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTPA (NM_000370) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTPA
Synonyms:	alphaTTP; ATP; AVED; TTP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300058 representing NM_000370. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCAGAGGCGCGATCCAGCCCTCGGCGGGGCCGAGCTCAACGCGCTACCGGACCACTCTCCGTTG
 CTGCAGCCGGGCTGGCGGCGCTGCGGCGCCGGGCCGGGAAGCTGGCGTCCGCTCGCGCCGCTGCCG
 CTCACCGACTCCTTCTGCTGCGGTTCTGCGCGCCGGGATTTGATCTGGACCTGGCCTGGCGGTTA
 CTAATAAACTATTATAAGTGGAGAGCAGAATGTCCAGAAATAAGTGCAGATCTACACCTAGAAGTATT
 ATTGGCCTCCTAAAGGCTGGCTACCATGGAGTCTGAGATCCAGGGATCCCACTGGCAGCAAAGTTCTT
 ATTTACAGAATCGCACACTGGGACCCCAAAGTTTTTACAGCTTATGACGTATTTGAGTAAGTCTAATC
 ACATCCGAGCTTATTGTACAGGAGGTAGAACTCAGCGGAATGGAATCAAGGCTATCTTTGATCTGGAA
 GGTGGCAGTTTTCTCATGCTTTTCAAATCACTCCATCCGTAGCCAAGAAGATTGCTGCTGACTTACG
 GATTCAATTTCCATTGAAAGTTTCGTGGCATCCATTTGATAAATGAACCAAGTAATTTCCATGCTGTCTT
 TCCATGATCAAACCATTCCTGACTGAAAAATTAAGGAACGGATTCACATGCATGGGAACAACACTACAAA
 CAAAGCTTGCTTCAGCATTTCCAGACATTCTTCTCTGGAATATGGTGGTGAAGAATTCCTCATGGAG
 GACATTTGTGAGGAATGGACAAATTTTATAATGAAGTCTGAAGATTATCTCAGCAGCATTTCTGAGAGC
 ATTCAATGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_000370
Insert Size:	837 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).
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:	<u>NM_000370.3</u>
RefSeq Size:	2633 bp
RefSeq ORF:	837 bp
Locus ID:	7274
UniProt ID:	<u>P49638</u>
Cytogenetics:	8q12.3
Protein Families:	Druggable Genome
MW:	31.7 kDa
Gene Summary:	This gene encodes a soluble protein that binds alpha-tocopherol, a form of vitamin E, with high selectivity and affinity. This protein plays an important role in regulating vitamin E levels in the body by transporting vitamin E between membrane vesicles and facilitating the secretion of vitamin E from hepatocytes to circulating lipoproteins. Mutations in this gene cause hereditary vitamin E deficiency (ataxia with vitamin E deficiency, AVED) and retinitis pigmentosa. [provided by RefSeq, Nov 2009]