

Product datasheet for **SC335112**

TTC4 (NM_001291333) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC4 (NM_001291333) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC4
Synonyms:	CNS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291333, the custom clone sequence may differ by one or more nucleotides

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ATGGAACAACCTGGGCAGGATCCCACCTCAGACGACGTCATGGACTCGTTCCTGGAAAAGTTCAGAGCC
AGCCTTACCGTGGCGGCTTTCATGAGGACCAGTGGGAGAAGGAATTTGAAAAGTCCCCCTATTTATGTC
GAGAGCGCCATCAGAAATTGATCCCAGGGAGAATCCTGACTTGGCTTGTCTCCAGTCAATATTTTTGAT
GAGGAGCGTTCTCCAGAAGAACAGGCCAAGACCTATAAAGATGAGGGCAATGATTACTTTAAAGAAAAAG
ACTACAAGAAAGCTGTAATTTACACACTGAAGGCTTAAAGAAGAAATGTCAGATCCTGATTTGAATGC
TGTCTTTATACCAACCGGCAGCAGCACAGTACTATCTGGGCAATTTTCGTTCTGCTCTCAATGATGTG
ACAGCTGCCAGAAAGCTAAAACCCTGCCACCTCAAAGCAATAATAAGAGGTGCCTTATGCCATCTGGAAC
TGAACACTTTGCCGAGGCCGTGAAGTGTGATGAGGGACTGCAATAGATGCCAAAGAGAAGAAGCT
TCTGAAAATGAGGGCTAAAGCAGACAAGCTGAAGCGAATTGAACAGAGGGATGTGAGGAAAAGCCAACTTG
AAAGAAAAGAAGGAGAGGAATCAGAATGAGGCTTACTCCAGGCCATCAAGGTCTACTTTGAGGATGAGG
ACAGGGCAGAACTATACCGGGTGCCTGCCAAGAGCACCTTGCTACAGTTCTACAGCACCAGAGGTACTT
TGTAAGCCCTGACACCAGCATTTTGGTCTGTGTAGGATCCTCTCTTTTGAAGAATTTCTCCGG
GGGAGAAAGGTACCAGATACGATGA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001291333
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).



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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:	<u>NM_001291333.1, NP_001278262.1</u>
RefSeq Size:	2098 bp
RefSeq ORF:	867 bp
Locus ID:	7268
Cytogenetics:	1p32.3
Gene Summary:	<p>This gene encodes a protein that contains tetratricopeptide (TPR) repeats, which often mediate protein-protein interactions and chaperone activity. The encoded protein interacts with heat shock proteins 70 and 90. Alternative splicing results in multiple transcript variants. Naturally-occurring readthrough transcription occurs from upstream gene MROH (maestro heat-like repeat family member 7) to this gene. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (2) lacks two alternate in-frame exons, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>