

Product datasheet for **SC336494**

TTC7A (NM_001288955) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC7A (NM_001288955) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTC7A
Synonyms:	GIDID; MINAT; TTC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336494 representing NM_001288955.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCAACTCGAGATGTGGTGCTGAGCCGGGTGCCGGAGCAGGAGGAGGACCGGACAGTGAGCTTGACG
AATGCCGCAGCCATCTATGACCTCCTGAGCATCACGTTGGGCAGAAGGGGACAGTACGTCATGCTCTCG
GAGTGCCCTGGAGCGAGCCATGAAGTTTGGCTTTGGAGAATTTACCTTTGGTACCAGGTGGCCCTCTCC
ATGGTGGCTTGTGGGAAGTCAGCCTACGCTGTGTCCCTGCTGCGGGAGTGTGTGAAGTTGCGGCCCTCG
GACCCACCGTGCCCTGATGGCCGCGAAGGTCTGCATCGGGTCCCTTCGCTGGCTAGAGGAAGCAGAG
CACTTTGCCATGATGGTGATCAGCCTCGGAGAGGAAGCCGGGGAGTTCTCCCAAGGGCTACCTGGCT
CTGGGTCTCACCTATAGCCTGCAGGCCACCGACGCCACCTGAAGTCCAAGCAAGATGAATTGCACCGG
AAGGCACTGCAGACGCTGGAGAGGGCTCAGCAGCTGGCGCCAGTGACCCCAAGTCACTCTATGTC
TCGCTGCAGCTGGCCCTCGTCCGACAGATCTCCAGTGCCATGGAGCAGCTGCAGGAGGCCCTGAAGGTA
CGCAAGGATGATCCACGCCCTCCACCTGCTGGCACTGCTCTTCTGCCCAGAAGCACCACCAGCAT
GCCTGGATGTTGTCAACATGGCCATCACCGAGCACCTGAGAACTTCAACCTGATGTTACCAAGGTG
AAGCTGGAGCAGGTGCTGAAAGGCCAGAGGAAGCCCTCGTGACCTGCAGACAAGTGCTGAGGCTGTGG
CAGACCTGTACAGCTTCTCCAGCTGGGAGGCCAGAAAAGGATGGCAGCTTCGGTGAGGGCCTCACC
ATGAAGAAGCAGAGTGCCATGCACCTGACTTTGCCTGATGCCATGATGCAGACTCTGGCTCCCGCGG
GCTTCGTCCATCGCCGCTCCCGCTGGAGGAGGCCATGTCAGAGCTGACTATGCCCTCTTCGGTCTCTG
AAGCAGGGCCCCATGCAGCTGTGGACCAGCTGGAACAGATCTGGCTGCAGGCTGCTGAGCTGTTTCATG
GAGCAGCAGCACCTCAAGGAAGCAGGTTTCTGCATCCAGGAGGCGCGGGCTCTTCCCCACTTCTCAC
TCAGTACTCTATATCGGGGCCGCTGGCTGAGGTGAAGGGCAACCTGGAGGAGGCCAAGCAGCTGTAC
AAGGAGGCGCTCACGGTGAACCCAGATGGCGTGCGCATCATGATAGCCTGGGTCTGATGCTGAGTCGG
CTGGGCCACAAGAGCTTGGCCCAAGGTGCTTCGTGATGCCGTGGAGAGGCAGAGTACGTGCCACGAG
GCGTGGCAGGGCTGGGCGAGGTGCTGCAGGCCAGGGCCAGAACGAGGCTGCCGTTGACTGCTTCTCT
ACCGCCCTTGAGCTGGAGGCCAGCAGCCCTGACTGCCCTTCTCCATCATCCCCAGAGAGCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001288955

Insert Size: 1515 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).

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_001288955.1

RefSeq Size: 5017 bp

RefSeq ORF: 1515 bp

Locus ID: 57217

UniProt ID: Q9ULT0

Cytogenetics: 2p21

MW: 56.1 kDa

Gene Summary: This gene encodes a protein containing tetratricopeptide repeats. Mutations in this gene disrupt intestinal development and can cause early onset inflammatory bowel disease and intestinal atresia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Transcript Variant: This variant (4) lacks an alternate exon in the 5' region and initiates translation at a downstream in-frame start codon, and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. It encodes isoform 4, which is shorter than isoform 1.