

Product datasheet for **SC337533**

TTC7A (NM_001288953) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC7A (NM_001288953) 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: >NCBI ORF sequence for NM_001288953, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGCCAGCTCGTCTCGAACTCCTGGGTTCAAGCAATCCTCCCACCACCTCCGCCTCCCAAAGTGCT
GGGATTACAGGGATGACTTTGGGAAATTGCTGCTGGCTGAGGCCCTCCTGGAGCAGTGTTTGAAGGAGAA
CCATGCCAAAATAAAAGACTCCATGCCTTTGCTGGAGAAGAATGAGCCGAAGATGAGCGAAGCCAAAAT
TATCTAAGCAGTATCCTTAACCATGGGAGGCTCTCGCCACAGTACATGTGTGAGGCCATGCTGATCCTGG
GCAAATGCATTACGTGGAGGGCTCATACCGAGATGCCATCAGCATGTACGCACGGGCCGGGATTGATGA
CATGTCCATGGAGAACAAGCCCCTGTATCAGATGCGGCTGCTGTGCGAGGCTTTTGTATCAAAGGCCTC
TCTCTGGAACGCCTACCAACTCCATCGCTCCCGCTTCCGCCTGACAGAGAGGGAGGAGGAAGTGATCA
CCTGTTTTGAGAGGGCTCCTGGATCGCTCAGGTGTTCTGCGAGGAATTGGAGAAGACCACAATAACAG
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CAGAGCGCTATGTGAAAACTGAAGAAGGGGAACATCGTGAAGGCATGAGAGAGCTCCGGGAGGTGC
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GAGGAGAGTTCTTTCGCCACTCAGGCCCTGCGGAAACCTCACCTCTATGAAGGAGACAACCTCTACTGCC
CCAAGGACAACATCGAGGAAGCCCTCCTGCTCCTCCTCATCAGCGAATCCATGGCAACTCGAGATGTGGT
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CTCCTGAGCATCACGTTGGGCAGAAGGGGACAGTACGTATGCTCTCGGAGTGCTGGAGCGAGCCATGA
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GCGAAGGTCTGCATCGGGTCCCTTCGCTGGCTAGAGGAAGCAGAGCACTTTGCCATGATGGTGATCAGCC
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GAGCACCTGAGAACTTCAACCTGATGTTACCAAGGTGAAGCTGGAGCAGGTGCTGAAAGGCCAGAGG
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CAGGAGGCGGGGGCTCTTCCCACTTCTCACTCAGTACTCTATATGCGGGGCCGGCTGGCTGAGGTGA
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CATGCATAGCCTGGGTCTGATGCTGAGTCGGCTGGGCCACAAGAGCTTGGCCAGAAGGTGCTTCGTGAT
GCCGTGGAGAGGCAGAGTACGTGCCACGAGGCGTGGCAGGGCTGGGCGAGGTGCTGCAGGCCAGGGCC
AGAACGAGGCTGCCGTTGACTGCTTCTCACCGCCCTTGAGCTGGAGGCCAGCAGCCCTGACTGCCCTT
CTCCATCATCCCAGAGAGCTCTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001288953

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:	<u>NM_001288953.1, NP_001275882.1</u>
RefSeq Size:	5166 bp
RefSeq ORF:	2475 bp
Locus ID:	57217
UniProt ID:	<u>Q9ULT0</u>
Cytogenetics:	2p21
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 (3) contains an alternate 5' exon structure and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. It encodes isoform 3, which is shorter and has a distinct N-terminus, compared to isoform 1.