

Product datasheet for **SC105916**

TNRC5 (CNPY3) (BC008133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNRC5 (CNPY3) (BC008133) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNRC5
Synonyms:	CAG4A; ERDA5; PRAT4A; TNRC5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC008133, the custom clone sequence may differ by one or more nucleotides

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GGCGAGGGGAAACTGCTCCGCGCGCCGCGGGAGGAGGAACCGCCCGTCTTTAGGGTCCGGGCCCGG
CCGGGCCATGGATTCAATGCCTGAGCCCGCTCCCGCTGTCTTCTGCTTCTCCCTTGCTGCTGCTGCTG
CTGCTGCTGCTGCCGGCCCCGGAGCTGGGCCCGAGCCAGGCCGGAGCTGAGGAGAACGACTGGGTTCCGC
TGCCAGCAAATGCGAAGGGACTTGC GGTTAATCGAAGTCACTGAGACATTTGCAAGAGGCTCCTGGAT
TATAGCCTGCACAAGGAGAGGACCGGCAGCAATCGATTTGCCAAGGGCATGTCAGAGACCTTTGAGACAT
TACACAACCTGGTACACAAGGGGTCAAGGTGGTGTGGACATCCCTATGAGCTGTGGAACGAGACTTC
TGCAGAGGTGGTGACCTCAAGAAGCAGTGTGATGTGCTGGTGAAGAGTTTGAGGAGGTGATCGAGGAC
TGGTACAGGAACCAACAGGAGGAAGACCTGACTGAATTCCTCTGCGCCAACCACTGCTGAAGGGAAAAAG
ACACCAGTTGCCCTGGCAGAGCAGTGGTCCGGCAAGAAGGGAGACACAGCTGCCCTGGGAGGGAAGAAGTC
CAAGAAGAAGAGCAGCAGGGCCAAGGCAGCAGGCGGCAGGAGTAGCAGCAGCAAACAAGGAAGGAGCTG
GGTGGCCTTGAGGGAGACCCAGCCCCGAGGAGGATGAGGGCATCCAGAAGGCATCCCTCTCACACACA
GCCCCCTGATGAGCTCTGAGCCACCCAGCATCCTCTGTCTGAGACCCCTGATTTTGAAGCTGAGGAG
TCAGGGGCATGGCTCTGGCAGGCCGGGATGGCCCCGACGCTTCAGCCCCCTTGCCTTGCTGTGCC
TCTTCTGCCAAGGAAAGACACAAGCCCCAGGAAGAAGTCAAGGAGCCGTCATGGGTAGCCCACGCCCTCT
TCCCCTCCCAAGTGTTTCTCTCTGACCCAGGTTTCAAGCAGGCTTGTGGTTTCAGGACTGCAAGGAC
TCCAGTGTGAAGTCAAGGAGGGCAGGTGTGAGAACTGGGCACCAGGACTGGAGCCCCCTCCGGAGACCAA
ACTCACCATCCCTCAGTCTCCCAACAGGGTACTAGGACTGCAGCCCCCTGTAGCTCCTCTGCTTAC
CCCTCCTGTGGACACCTTGCCTCTGCCTGGCCCTTCCAGAGCCCAAAGAGTAAAAATGTTCTGTTCT
GAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC008133 unedited
 ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCCGGCCGGCCATGGATTCA
 ATGCCTGAGCCCGCGTCCCGCTGTCTTCTGCTTCCCTTGCTGCTGCTGCTGCTG
 CTGCTGCCGGCCCCGAGCTGGGCCGAGCCGAGCTGAGGAGAACGACTGGGTT
 CGCCTGCCAGCAAATGCGAAGGACTTGCCTTAATCGAAGTCACTGAGACCATTTGCA
 AGAGGTCCTGGATTATAGCCTGCACAAGGAGAGGACCGGCAGCAATCGATTTGCCAAGG
 GCATGTCAGAGACCTTTGAGACATTACACAACCTGGTACACAAAGGGGTCAAGGTGGTGA
 TGGACATCCCCTATGAGCTGTGGAACGAGACTTCTGCAGAGGTGGCTGACCTCAAGAAGC
 AGTGTGATGTGCTGGTGAAGAGTTTGAGGAGGTGATCGAGGACTGGTACAGGAACCACC
 AGGAGGAAGACCTGACTGAATTCCTCTGCGCAACCACGTGCTGAAGGAAAAGACACCA
 GTTGCCTGGCAGAGCAGTGGTCCGGCAAGAAGGGAGACACAGCTGCCCTGGGAGGGGAAG
 AAGTCCAAGAAGAAGAGCAGCAGGGCCAAGGCAGCAGGCGGCAGGAGTAGCAGCAGCAAC
 AAAGGAAGGGAGCTGGGTGGCCTTGAGGGAGACCCAGCCCCGAGGAGGGATGAGGGCA
 TNCAGAAGGCATCCCCTCTACACACAGCCCCCTGATGAGCTCTGAGCCACCCAGCATCC
 TCTGCTGAACCCCTGATTTTGAAGCTGAGGGGTGAGGGGCATGTTNCTTGCAGNCCCC
 GGGAAATGGCCCCGAGCCTTCCAGCCCTTGNCTTGGNNTGTGCTCTTCTGGCAGGG
 AAGAACAGCNCCAGAACTCAGAGCGTNAATGGTGNCCACGCGTCTTTCTTCCCTTGT
 TTTCTGACCCACGGTTAGCGGCTTTTTGTGGTTTCAGACTGAGCCTCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for BC008133 unedited
 TTTTGGGAATACTGATGTACCGCGCCGCATGGCTAGATCGAGTTTTTTCTTTTTTTTT
 TCAGAACCAGACATTTTTACTCTTTGGGCTCTGGGAAGGGCCAGGCAGAGTGCAAGGTGT
 CCACAGGAGGGGTAAAGCAGAGAGGAGCTATAGGGGGCTGCAGTCTAGTACCCTGTTGGG
 GAGGACTGAGGGATGGTGAAGTTGGTCTCCGGAGGGGGCTCCTTTTTTGGTGCCCAATTC
 TGACACCTGCCCCCTCTGAGTTCACACTGGAGTCTTGCAGTCTGAAACCACAAGGCCT
 GCCTGAACCTGGGTGAGGAGAGAAACACTTGGGGAGGGGAAAGGACGGCGTGGGCTACC
 CATGACGGCTCTGAGTCTTCTGGGGCTTGTGTCTTTCCTTGGCAGAAAAGGGCACAGC
 CAAGGCAAGGAGGGGTGAAGGCTGCGGGGCCATCCCGGCTGCCAGAGCCATGCCCTG
 ACTCCTCAGTTCAAAATCAGGGGTCTCAGGACAGAGGATGCTGGGTGGGCTCAGAGTCT
 ATCAGGGGGGCTGTGTGAGAGGGGATGCCTTCTGGATGCCCTCATCCTCCTCGGGCT
 GGGGTCTCCCTCAAGGCCACCCAGCTCCTTCTTGTGTTTGTGCTGCTACTCCTGCCGCC
 TGCTGCCTTGGCCCTGCTGCTCTTCTTCTTGGACTTCTTCCCTCCAGGGCAGCTGTGTC
 TCCCTTCTTCCGAACCACTGCTCTGCCAGGCAACTGGTGTCTTTTCCCTTCAGCACGTG
 GTTGGCGCAGAGGAATTCAGTCAGGTCTTCTTCTGGTGGTTCCTGTACCAGTCTTGAT
 CACCTCTCAAACCTTTTCCGCCACACATCAAACCTGGTTCTTG

Restriction Sites:

NotI-NotI

ACCN:

BC008133

Insert Size:

1250 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: [BC008133.1](#)

RefSeq Size: 1277 bp

RefSeq ORF: 1277 bp

Locus ID: 10695

Cytogenetics: 6p21.1

Gene Summary: This gene encodes a protein that binds members of the toll-like receptor protein family and functions as a chaperone to aid in folding and export of these proteins. Alternative splicing results in multiple transcript variants. Naturally occurring readthrough transcription occurs between this locus and the downstream GNMT (glycine N-methyltransferase) gene and is represented with GeneID:107080644. [provided by RefSeq, Jan 2016]