

Product datasheet for **SC112775**

CD3G (NM_000073) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD3G (NM_000073) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD3G
Synonyms:	CD3-GAMMA; IMD17; T3G
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112775 sequence for NM_000073 edited (data generated by NextGen Sequencing)

```
ATGGAACAGGGGAAGGGCCTGGCTGTCCTCATCCTGGCTATCATTCTTCAAGGTACT
TTGGCCCAGTCAATCAAAGGAAACCACTTGGTTAAGGTGTATGACTATCAAGAAGATGGT
TCGGTACTTCTGACTTGTGATGCAGAAGCCAAAAATACACATGGTTAAAGATGGGAAG
ATGATCGGCTTCTAACTGAAGATAAAAAAATGGAATCTGGGAAGTAATGCCAAGGAC
CCTCGAGGGATGTATCAGTGTAAGGATCACAGAACAAGTCAAACCACTCCAAGTGTAT
TACAGAAATGTGCAGAACTGCATTGAACTAAATGCAGCCACCATATCTGGCTTTCTTTT
GCTGAAATCGTCAGCATTTTCGTCCTTGTGTTGGGGTCTACTTCATTGCTGGACAGGAT
GGAGTTGCCAGTCGAGAGCTTCAGACAAGCAGACTCTGTTGCCAATGACCAGCTCTAC
CAGCCCCCAAGGATCGAGAAGATGACCAGTACAGCCACCTTCAAGGAAACCAGTTGAGG
AGGAATTGA
```

Clone variation with respect to NM_000073.2



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000073 unedited NGGTTCCGGGATTAGTATCCGATTCATNATAGGGCGGCCGGAATTCGGCACCAGGGCTGC TAAGGGCTGCTCCACGCTTTTGCNCGGAGACAGAGACTGACATGGAACAGGGGAAGGGCC TGGCTGTCCTCATCCTGGCTATCATTCTTCTTCAAGTACTTTGGCCCAGTCAATCAAAGG AAACCACTTGGTTAAGGTGTATGACTATCAAGAAGATGGTTCGGTACTTCTGACTTGTGA TGCAGAAGCCAAAAATACACATGGTTTAAAGATGGGAAGATGATCGGCTTCCTAACTGA AGATAAAAAAATGGAATCTGGGAAGTAAATGCCAAGGACCCCTCGAGGGATGTATCAGTG TAAAGGATCACAGAACAAGTCAAAACCACTCCAAGTGTATTACAGAATGTGTCAGAACTG CATTGAACTAAATGCAGCCACCATATCTGGCTTTCTTTGCTGAAATCGTCAGCATTTT CGTCTTGCTGTTGGGGTCTACTTCATTGCTGGACAGGATGGAGTTCGCCAGTCGAGAGC TTCAGACAAGCAGACTCTGTTGCCCAATGACCAGCTCTACCAGCCCTCAAGGATCGAGA AGATGACCAGTACAGCCACCTTCAAGGAAACCAGTTGAGGAGGAATTGAACTCAGGACTC AGAGTAGTCCAGGTGTTCTCTCTATTTCAGTTCACAGAATCAAAGCATGCATTTTGGAA AAGCTCTAGCAGAGAGACTTTACGCCCTAAATCTAGACTCAAGGTTCCAGAGATGACA AATGGAGAAGAAAGGCCATCAGAGCAAATTTGGGGTTTCTCAAATAATAAAATAAAACCA ATCCTGTGTTTTCAGAAGCGCACCTATTGNGGAAAATGTNNAAGAAAATGAAAGTTCCATA ACCCCCTGAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_000073
Insert Size:	3000 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:	<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:	NM_000073.1 , NP_000064.1
RefSeq Size:	822 bp
RefSeq ORF:	549 bp
Locus ID:	917
UniProt ID:	P09693
Cytogenetics:	11q23.3
Domains:	ITAM, IGc2
Protein Families:	Druggable Genome, Transmembrane

Protein Pathways: Hematopoietic cell lineage, T cell receptor signaling pathway

Gene Summary: The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency. [provided by RefSeq, Jul 2008]