

Product datasheet for **SC116265**

CD7 (NM_006137) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CD7 (NM_006137) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CD7 |
| Synonyms: | GP40; LEU-9; Tp40; TP41 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_006137, the custom clone sequence may differ by one or more nucleotides |

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ATGGCCGGGCCTCCGAGGCTCCTGCTGCTGCCCTGCTTCTGGCGCTGGCTCGCGGCCTGCCTGGGGCCC  
TGGCTGCCAAGAGGTGCAGCAGTCTCCCACTGCACGACTGTCCCGTGGGAGCCTCCGTCAACATCAC  
CTGCTCCACCAGCGGGGCTGCGTGGGATCTACCTGAGGCAGCTCGGGCCACAGCCCAAGACATCATT  
TACTACGAGGACGGGTGGTGCCACTACGGACAGACGGTTCGGGGCCGCATCGACTTCTCAGGGTCCC  
AGGACAACCTGACTATCACCATGCACCGCCTGCAGCTGTCGGACACTGGCACCTACACCTGCCAGGCCAT  
CACGGAGGTCAATGTCTACGGCTCCGGCACCTGGTCTGGTGACAGAGGAACAGTCCAAGGATGGCAC  
AGATGCTCGGACCCCCACCAAGGGCCTCTGCCCTCCCTGCCCCACCGACAGGCTCGGCCCTCCCTGACC  
CGCAGACAGCCTCTGCCCTCCCTGACCCGCCAGCAGCCTCTGCCCTCCCTGCGGCCCTGGCGGTGATCTC  
TTCTCCTCGGGCTGGGCTGGGGTGGCGTGTGTGCTGGCGAGGACACAGATAAAGAAACTGTGCTCG  
TGGCGGGATAAGAATTCGGCGGCATGTGTGGTGTACGAGGACATGTCGCACAGCCGCTGCAACACGCTGT  
CCTCCCCCAACCAAGTACCAGTGA
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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_006137 unedited NGTGTACGNATTTATGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGTCTC CTGTGTGCTGCTCTCTGTGGGGTCTGTAGACCCAGANAGGCTCAGCTGCACTCGCCCGG CTGGGAGAGCTGGGTGTGGGGAACATGGCCGGGCTCCGAGGCTCCTGTGCTGCCCTG CTTCTGGCGTGGCTCGCGGCCTGCCTGGGGCCCTGGCTGCCAAGAGGTGCAGCAGTCT CCCCCTGCACGACTGTCCCGTGGGAGCCTCCGTCAACATCACCTGCTCCACCAGCGGG GGCCTGCGTGGGATCTACCTGAGGCAGCTCGGGCCACAGCCCAAGACATCATTACTAC GAGGACGGGGTGGTGCCCACTACGGACAGACGGTTCCGGGGCCGATCGACTTCTCAGGG TCCCAGGACAACCTGACTATCACCATGCACCGCCTGCAGCTGTGCGACTGGCACCCTAC ACCTGCCAGGCCATCACGGAGGTCAATGTCTACGGCTCCGGCACCCCTGGTCTGGTGACA GAGGAACAGTCCAAGGATGGCACAGATGCTCGGACGCCCAAGGGCCTCTGCCCTC CCTGCCACCAGCAGGCTCCGCCCTCCCTGACCCGACAGCAGCCTCTGCCCTCCCTGAC CCGCCAGCAGCCTCTGCCCTCCCTGCGGCCCTGCGGTGATCTCCTTCTCCCTCGGCTG GGCTGGNGGTGGCGTGTGTGCTGGCCAGCCACAGATNAGAACTGTGCTCGTGGCGGGA TAAGAAATTCGCGGCATGTGTGGTGTACGAGGACTGTCGCACAGCCGCTGCACACGCTG TCCTTCCCACCACTACAGTGACCCATGGGCCCTGCCGTCCCGNCTGTGGTCCCCCAGA CCTTCCTGGCN |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_006137 |
| Insert Size: | 1500 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_006137.1 , NP_006128.1 |
| RefSeq Size: | 1318 bp |
| RefSeq ORF: | 723 bp |
| Locus ID: | 924 |
| UniProt ID: | P09564 |
| Cytogenetics: | 17q25.3 |
| Domains: | ig, IGV, IG |
| Protein Families: | Druggable Genome, Transmembrane |

Protein Pathways: Hematopoietic cell lineage

Gene Summary: This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. [provided by RefSeq, Jul 2008]