

Product datasheet for **SC127532**

CD90 (THY1) (NM_006288) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD90 (THY1) (NM_006288) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD90
Synonyms:	CD90; CDw90
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127532 sequence for NM_006288 edited (data generated by NextGen Sequencing)

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ATGAACCTGGCCATCAGCATCGCTCCTGCTAACAGTCTTGCAAGTCTCCCGAGGGCAG
AAGGTGACCAGCCTAACGGCCTGCCTAGTGGACCAGAGCCTTCGTCTGGACTGCCGCCAT
GAGAATACCAGCAGTTCACCCATCCAGTACGAGTTCAGCCTGACCCGTGAGACAAAGAAG
CACGTGCTCTTTGGCACTGTGGGGTGCCTGAGCACACATACCGCTCCCGAACCAACTTC
ACCAGCAAATACAACATGAAGGTCCTCTACTTATCCGCCTTCACTAGCAAGGACGAGGGC
ACCTACACGTGTGCACTCCACCACTCTGGCCATTCCCCACCCATCTCTCCAGAACGTC
ACAGTGCTCAGAGACAACTGGTCAAGTGTGAGGGCATCAGCCTGCTGGCTCAGAACACC
TCGTGGCTGCTGCTCCTGCTCTCCCTCTCCCTCCTCCAGGCCACGGATTTTCATGTCC
CTGTGA
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Clone variation with respect to NM_006288.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006288 unedited TGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCGGTCTGGAGGAGGC TGCAGCAGCGGAAGACCCAGTCCAGATCCAGGACTGAGATCCCAGAACCATGAACCTGG CCATCAGCATCGTCTCCTGCTAACAGTCTTGCAGGTCTCCCAGGGCAGAAAGGTGACCA GCCTAACGGCCTGCCTAGTGGACCAGAGCCTTCGTCTGGACTGCCGCATGAGAATACCA GCAGTTACCCATCCAGTACGAGTTCAGCCTGACCCGTGAGACAAAGAAGCACGTGCTCT TTGGCACTGTGGGGTGCCTGAGCACACATACCGCTCCCGAACCAACTTCACCAGCAAAT ACAACATGAAGGTCTCTACTTATCCGCCTTCACTAGCAAGGACGAGGGCACCTACACGT GTGCACTCCACCACTCTGGCCATTCCCCACCCATCTCCTCCCAGAACGTACAGTGCTCA GAGACAACTGGTCAAGTGTGAGGGCATCAGCCTGCTGGCTCAGAACACCTCGTGGCTGC TGCTGCTCCTGCTCTCCCTCTCCCTCCTCCAGGCCACGGATTTTCATGTCCCTGTGACTGG TGGGGCCCATGGAGGAGACAGGAAGCCTCAAGTCCAGTGCAGAGATCTACTTCTCTGA GTCAAGCTGACCCCTCCCCCAATCCCNCAACCTTGAGGAGAAGTGNGGACCCACCC CTATCANGAGNTCCAGTGTGCATGCGATTATCTACCCACGTNCACGCGNCACCTNACC CTTTGNNACACTNTGGCTGTCTTTTTGTACTTTTTTGTCCAGAGCTGNCTCTGTCTGGG NTATTTAGGTTTTATNCCTTCTTTTTCTTTGAAAGTCGTGAGAAGGAANCCAGATTNGG GACTGATTGANATGAAACTT
Restriction Sites:	NotI-NotI
ACCN:	NM_006288
Insert Size:	486 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_006288.1 , NP_006279.1
RefSeq Size:	486 bp
RefSeq ORF:	486 bp
Locus ID:	7070
UniProt ID:	P04216
Cytogenetics:	11q23.3
Domains:	ig, IGV
Protein Families:	ES Cell Differentiation/IPS

Protein Pathways: Leukocyte transendothelial migration

Gene Summary: This gene encodes a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. The encoded protein is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the immune and nervous systems. The encoded protein is widely used as a marker for hematopoietic stem cells. This gene may function as a tumor suppressor in nasopharyngeal carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1-3 encode the same protein.