

Product datasheet for **SC120525**

CD109 (NM_133493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD109 (NM_133493) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD109
Synonyms:	CPAMD7; p180; r150
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133493, the custom clone sequence may differ by one or more nucleotides

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ATGCAGGGCCACCGCTCCTGACCGCCGCCACCTCCTCTGCGTGTGCACCGCCGCGCTGGCCGTGGCTC
CCGGCCCTCGGTTTCTGGTGACAGCCCCAGGGATCATCAGGCCCGGAGGAAATGTGACTATTGGGTGGA
GCTTCTGGAACACTGCCCTTACAGGTGACTGTGAAGGCGGAGCTGCTCAAGACAGCATCAAACCTCACT
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CTCTGAACAGTGCAGATGAGATTTATGAGCTACGTGAACCGGACGTACCCAGGATGAGATTTTATTCTC
TAATAGTACCCGCTTATCATTGAGACCAAGAGAATATCTGTCTTCAATCAAACAGACAAGGCCTTATAC
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TAAACATTCTCATTAAAGACCCCAAATCAAATTTGATCCAACAGTGGTTGTCAACAAGTATGATCTTGG
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CATCCAATAAAAACAAGAGATGAAAATATAAAGGTGGGATCGCCTTTTGAGTTGGTGGTGTAGTGGCAAC
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AGATGATGGGAAATTATAAGTGATGTTCTAAAAATTCCTGTTTCAGCTTGTTTTTAAAAATAGATAAAG
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ATCATCACTCTTCAGTCATTTTTATTTTCTGTTTCAAGCTTCTGTACTTTATGGAACCTTTGGCTGTGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_133493 unedited TCTTTCCCGCCCGATGCCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG CGAATTCGGCACGAGGTGAGATGCAGGGCCCACCGCTCTGACCGCCGCCACCTCCTC TGCGTGTGCACCGCCGCGCTGGCCGTGGCTCCCGGGCCTCGGTTTCTGGTGACAGCCCA GGGATCATCAGGCCCGGAGGAAATGTGACTATTGGGTGGAGCTTCTGGAACACTGCCCT TCACAGGTGACTGTGAAGGCGGAGCTGCTCAAGACAGCATCAAACCTCACTGTCTGTGTC CTGGAAGCAGAAGGAGTCTTTGAAAAAGGCTCTTTAAGACACTTACTCTTCCATCACTA CCTCTGAACAGTGCAGATGAGATTTATGAGCTACGTGTAACCGGACGTACCCAGGATGAG ATTTTATTCTCTAATAGTACCCGCTTATCATTTGAGACCAAGAGAATATCTGTCTTCATT CAAACAGACAAGGCCTTATACAAGCCAAAGCAAGAAGTGAAGTTTCGCATTGTTACTCTC TTCTCAGATTTTAAGCCTTACAAAACCTCTTTAAACATTCTCATTAAAGACCCCAATCA AATTTGATCCAACAGTGGTTGTCAACAACAAGTATCTGGAGTCATTTCCAAAACCTTTT CAGCTATCTTCCATCCAATACTTGGTGACTGGTCTATTCAAGTCAAGTGAATGACCAG ACATACTATCAATCATTTTCAGGTTTCAGAATATGTATTACAAAATTTGAAGTGACTTT GCAGACCATTATATTGNTCTATGAATTCTAGCATTTAAATGGTACCTCAGGNANAGAT ACATATGGGNAAGCAGTGAAGGAGACGTACG
Restriction Sites:	NotI-NotI
ACCN:	NM_133493
Insert Size:	4500 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:	<u>NM_133493.1, NP_598000.1</u>
RefSeq Size:	5883 bp
RefSeq ORF:	4338 bp
Locus ID:	135228
UniProt ID:	<u>Q6YHK3</u>
Cytogenetics:	6q13
Domains:	A2M, A2M_N

Gene Summary:

This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).