

## Product datasheet for **SC308208**

### **DLL3 (NM\_203486) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DLL3 (NM_203486) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLL3
Synonyms:	SCDO1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC308208 representing NM\_203486.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTCTCCCCACGGATGTCCGGGCTCCTCTCCAGACTGTGATCTAGCGCTCATTTTCTCCCCCAG
ACACGGCCCGCTGGCGTCTTCGAGCTGCAGATCCACTCTTTCGGGCCGGTCCAGGCCCTGGGGCCCCG
CGGTCCCCTGCAGCGCCGGCTCCCCTGCCGCCTCTTCTCAGAGTCTGCCTGAAGCCTGGGCTCTCA
GAGGAGGCCGCCGAGTCCCCGTGCGCCCTGGGCGCGCGCTGAGTGCGCGCGGACCGGTCTACACCGAG
CAGCCCGAGCGCCCGCCTGATCTCCACTGCCCGACGGCCTTTCAGGTGCCCTTCCGGGACGCC
TGGCCTGGCACCTTCTTTTCATCATCGAACTGGAGAGAGGAGTTAGGAGACCAGATTGGAGGGCCC
GCCTGGAGCTGTGGCGCGCTGGCTGGCAGGCGCGCTTGGCAGCCGGAGGCCGTGGGCCGGGAC
ATTACGCGCGCAGGCGCCTGGGAGCTGCGCTTCTCGTACCGCGCGCGCTGCGAGCCGCTGCCGTGGG
ACCGGTGCACGCGCCTCTGCCCTCCGCGCAGCGCCCTCGCGGTGCGGTCCGGGACTGCGCCCTGC
GCACCGCTCGAGGACGAATGTGAGGCGCGCTGGTGTGCCGAGCAGGCTGCAGCCCTGAGCATGGCTTC
TGTGAACAGCCCGGTGAATGCCGATGCCTAGAGGGCTGGACTGGACCCCTCTGCACGGTCCCTGTCTCC
ACCAGCAGCTGCCTCAGCCCAGGGGCCGCTCCTCTGCTACCACCGGATGCCTTGTCCCTGGGCCTGGG
CCCTGTGACGGGAACCCGTGTGCCAATGGAGGCAGCTGTAGTGAGACACCAGGTCTTTGAATGCACC
TGCCCGGTGGGTTCTACGGGCTGCGGTGTGAGGTGAGCGGGGTGACATGTGCAGATGGACCCTGCTTC
AACGGCGGCTTGTGTGTCGGGGGTGCAGACCCTGACTCTGCCTACATCTGCCACTGCCACCCGGTTTC
CAAGGCTCCAAGTGTGAGAAGAGGGTGGACCGGTGCAGCTGCAGCCATGCCGAATGGCGGACTCTGC
CTGGACTGGGCCACGCCCTGCGCTGCCGTGCCGCGCGGCTTCGCGGGTCTCGCTGCGAGCAGAC
CTGGACGACTGCGCGGGCCGCGCTGCGTAACGGCGGCACGTGTGAGGGGCGCGCGCCGACCGC
TGCTCCTGCGCGCTGGGCTTCGGCGGCCGCGACTGCCCGGAGCGCGCGGACCCGTGCGCCGCGCGCCC
TGTGCTACGGCGCGCTGCTACGCCACTTCTCCGGCCTCGTCTGCGCTTGGCTCCCGGCTACATG
GGAGCGCGGTGTGAGTCCAGTGCACCCGACGGCGCAAGCGCCTTGCCCGCGGCCCGCGGGCCTC
AGGCCCGGGACCCCTCAGCGCTACCTTTTGCCTCCGGCTCTGGGACTGCTCGTGGCCGCGGGCGTGGCC
GGCGCTGCGCTTGTGGTCCACGTGCGCCGCGTGGCCACTCCAGGATGCTGGGTCTCGTTGCTG
GCTGGGACCCCGAGCCGTCAGTCCACGCACTCCCGATGCACTAACAACCTAAGGACGAGGAGGT
TCCGGGGATGGTCCGAGCTCGTCCGTAGATTGGAATCGCCCTGAAGATGTAGACCCTCAAGGATTTAT
GTCATATCTGCTCTTCCATCTACGCTCGGGAGGCCTGA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_203486
- Insert Size:** 1764 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_203486.1</a>
<b>RefSeq Size:</b>	2052 bp
<b>RefSeq ORF:</b>	1764 bp
<b>Locus ID:</b>	10683
<b>UniProt ID:</b>	<a href="#">Q9NYJ7</a>
<b>Cytogenetics:</b>	19q13.2
<b>Protein Families:</b>	Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transmembrane
<b>Protein Pathways:</b>	Notch signaling pathway
<b>MW:</b>	61.2 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the delta protein ligand family. This family functions as Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain. Mutations in this gene cause autosomal recessive spondylocostal dysostosis 1. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) has a different splicing pattern at the 3' end compared to transcript variant 1. This results in an isoform (2) with a shorter C-terminus compared to isoform 1.</p>