*h*DLL3 VersaClone cDNA

Catalog Number: RDC1314

Specifications:

Gene:	*h*DLL3
Accession:	NP_058637
Insert size:	1870bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

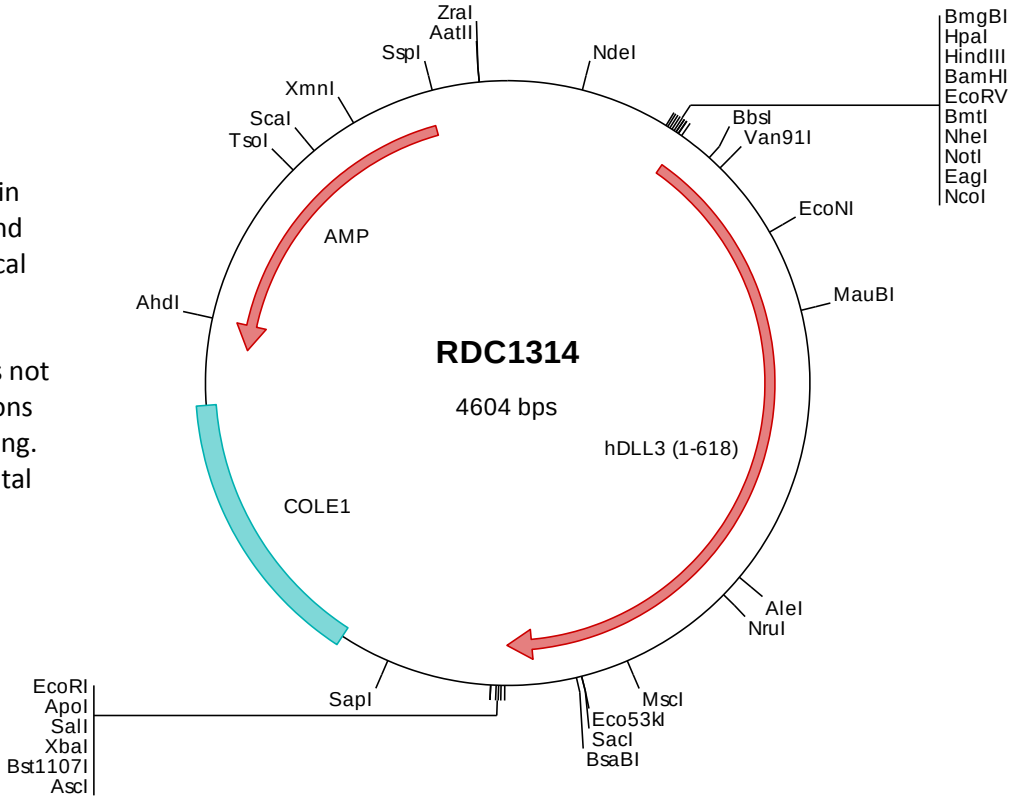
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*DLL3 cDNA Plasmid

DLL3 delta-like 3 (Drosophila) [*Homo sapiens* (human)]

Also known as: SCDO1

Summary:
DLL3 is a member of the delta protein ligand family. It is a transmembrane Delta like protein that contains one DSL domain and six EGF like repeats. DLL3 is critical for somite segmentation and neurogenesis during early embryonic development. It does not bind Notch receptors but functions as an antagonist of Notch signaling. Defects in DLL3 cause axial skeletal abnormalities in spondylocostal dysostosis. Alternatively spliced transcripts encoding different proteins have been described.



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NOT FOR USE IN HUMANS

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> RDC1314 Plasmid DNA Sequence

```
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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggtctccc cacggatgtc cgggctcctc tcccagactg tgatcctagc
 501  gctcattttc ctccccccaga cacggcccgc tggcgtcttc gagctgcaga tccactcttt cgggccgggt ccaggccctg gggccccgcg gtcccctgc
 601  agcgcccggc tcccctgccg cctcttcttc agagtctgcc tgaagcctgg gctctcagag gaggccgccg agtccccgtg cgccctgggc gcggcgctga
 701  gtgcgcgcgg accggtctac accgagcagc ccggagcgcc cgcgcctgat ctcccactgc ccgacggcct cttgcaggtg cccttccggg acgcctggcc
 801  tggcaccttc tctttcatca tcgaaacctg gagagaggag ttaggagacc agattggagg gcccgcctgg agcctgctgg cgcgcgtggc tggcaggcgg
 901  cgcttggcag ccggaggccc gtgggcccgg gacattcagc gcgcaggcgc ctgggagctg cgcttctcgt accgcgcgcg ctgcgagccg cctgccgtcg
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1701  cgcgctgggc ttcggcggtc gcgactgccg cgagcgcgcg gacccgtgcg ccgcgcgccc ctgtgctcac ggcggtcgct gctacgccca cttctccggc
1801  ctcgtctgcg cttgcgctcc cggctacatg ggagcgcggt gtgagttccc agtgcacccc gacggcgcaa gcgccttgcc cgcggccccg ccgggcctca
1901  ggcccgggga ccctcagcgc taccttttgc ctccggctct gggactgctc gtggccgcgg gcgtggccgg cgctgcgctc ttgctggtcc acgtgcgccg
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2201  ctcgggaggt agcgacgccc cttttccccc cgctacacac tgggcgcgct gggcagaggc agcacctgct ttttccctac ccttcctcga ttctgtccgt
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2401  gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt
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2701  atcaggggat aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca taggctccgc
2801  cccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg
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3601  catagttgcc tgactccccg tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac cgcgagaccc acgctcaccg
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> RDC1314 Translated Insert Sequence

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 501  vaagvagaal llvhvrrrgh sqdagsrlla gtpepsvhal pdalnnlrtq egsgdgpsss vdwnrpedvd pqgiyvisap siyarevatp lfpplhtgra
 601  gqrqhllfpy pssilsvk
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