

Product datasheet for SC117046

Epiphycan (EPYC) (NM_004950) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epiphycan (EPYC) (NM_004950) Human Untagged Clone
Tag:	Tag Free
Symbol:	Epiphycan
Synonyms:	DSPG3; Pg-Lb; PGLB; SLRR3B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117046 sequence for NM_004950 edited (data generated by NextGen Sequencing)

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ATGAAGACATTAGCAGGACTTGTCTGGGACTTGCATCTTTGATGCTGTGACTGCC
CCAACCTAGAGTCCATCAACTATGACTCAGAACTATGATGCCACCTTAGAAGACCTG
GATAATTTGTACAACATGAAAACATACCTGTTGATAAAGTTGAGATTGAAATAGCCACA
GTGATGCCTTCAGGGAACAGAGAGCTCCTCACTCCACCCACAGCCTGAGAAGGCCAG
GAAGAGGAAGAGGAGGAGGAATCTACTCCAGGCTGATTGATGGCTCTTCTCCCCAGGAG
CCTGAATTCACAGGGTCTGGGGCCACACAAAATGAAGACTTTCCAACCTGTCTTTTG
TGTACTTGTATAAGTACCACCGTACTGTGATGACCATGAACCTGATGCTATTCCTCCG
CTGCCAAAGAACCCGCTTATTTCTATTCCGCTTTAACAGAATAAAAAGATCAACAAA
AATGACTTTGCAAGCCTAAGTGATTTAAAAAGGATTGATCTGACATCAAATTTAATATCT
GAGATTGATGAAGATGCATTCGAAAACCTCAACTTCGAGAGCTTGTCTGCCTGCCTGAC
AACAAAATAAGGCAGCTCCAGAAATGCCAACCACTTTGACATTTATTGATATTAGCAAC
AATAGACTTGAAGGAAAGGGATAAAGCAAGAAGCATTAAAGACATGTATGATCTCCAT
CATCTGTACCTCACTGATAACAACCTGGACCACATCCCTCTGCCACTCCCAGAAAATCTA
CGAGCCCTTCACCTCCAGAATAACAACATTCTGGAAATGCACGAAGATACGTTCTGCAAT
GTTAAAAATTTGACTTATATTTCGTAAGGCACTAGAGGACATTCGATTGGATGGAAACCT
ATTAATCTCAGCAAACTCCTCAAGCATACATGTGTCTACCTCGTCTGCCTGTTGGGAGC
CTTGTCTAA

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Clone variation with respect to NM_004950.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004950 unedited
 GGGTCAAATTTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGGGTCAAGAG
 CCAAAGGGNAAAGCTTGAAAAATGAAGACATTAGCAGGACTTGTCTGGGACTTGTCAATC
 TTTGATGCTGCTGTGACTGCCCAACTCTAGAGTCCATCAACTATGACTCAGAAACCTAT
 GATGCCACCTTAGAAGACCTGGATAATTTGTACAACATGAAAACATACTGTGGATAAA
 GTTGAGATTGAAATAGCCACAGTGTGCCTTCAGGGAACAGAGAGCTCCTCACTCCACCC
 CCACAGCCTGAGAAGGCCAGGAAGAGGAGGAGGAGGAATCTACTCCAGGCTGATT
 GATGGCTCTTCTCCCAGGAGCCTGAATTCACAGGGGTTCTGGGCCCACACAAAATGAA
 GACTTTCCAACCTGTCTTTTGTGTAAGTATAAGTACCACCGTGTACTGTGATGACCAT
 GAAGTTGATGCTATTCCTCCGCTGCCAAAGAACACCGCTTATTTCTATTCCCGCTTAAAC
 AGAATTAAGATCAACAAAAATGACTTTGCAAGCCTAAGTGAATTAAGGATTGAT
 CTGACATCAAATTAATATCTGAGATTGATGAAGATGCATTCCGAAAACCTCAACTT
 CGAGAGCTTGCCTGCGTGACAACAAAATAAGGCAGCTCCAGAAATGCAACCACTTTG
 ACATTTATTGATATTAGCAACAATAGACTTGAAGGAAAGGNNATAAGCAGAAGCATT
 AAAGACATGTATGATCTCCATCATCTGTACCTCACTGATAACAACCTGGACCACATCCCT
 CTGCCACTCCCAGAAATCTACGAGCCCTCACCTCCAGAATAAACACATTCTGGAATGCA
 CGAAGATACCGTNTGCTGATGTTAAAATTNA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004950 unedited
 CGCTTTCTAAATCGAGTTCTTTTTTTTTTTTACTTGACTANAGACAGCAAGAATGGTTTA
 TTTCTAGTACCCATCGCAATGCTAACCATTATCTGAAATTAGACAAGGACTTCCAACAGG
 TAGACGAGGTATACACATGTATGCTTGAGGAGTTTTGCTGAGCATTAAATAGGTTTGCAT
 GCAATCGAATGCCCTCTAGTGCCTTACGAATATAAGTCAAATTTTAAACATTGCAGAACG
 TATCTTCGTGCATTTCCACAATGCCGATATTCTGGAGGTGAAGGCTGTACATTTTCTG
 GGAGTGGCACAGGGATGTGGCCCAAGCTGTACCAATGAGGTACAGATGATGGAGATGAT
 CTCTGTCTTTAAATGCTACTTGCTTTATCCCTTACTTCCAAGCTTATTGCCGCTCATAT
 CACTCAACGCCCCAGCGGCTGGCCATTCTGGGTGCTGCCTTATCTGCTGCCACGCGAGGA
 CAACCTCTTCAAGTCGAGGCACCCTTCGGAATTGCTACCCTCCATGTACGATGTTAA
 TTGGCTGCCAGATCATTCTTCTAAACACTTACGCCCGCACAGCCCTTCTGCGGATTT
 TTCTAATTCGCCCAAGAGGGCACACAACTACCGCGCACCTTGTCTTCTTTTAAAGAAGGC
 CGGTAAGTTTTCTTTTTGCGCGTGGTCTCCTTACCTCCGTGATCTCCACCCTGGTGAGA
 ACAACCTCTATTCTGGGACATCACTATTACAATACTATCCCTGGGTCCAATCAG
 CTGTGGGGTGAATTAGGAATCCTTATCCCAGGATACTTGGGCATTTCTGCACTCT
 ACTTTTCTACGGCCCTCTCTACTGTCTCCTCTCTCCGCTTCTATGGGCTCCTC
 TGTCTTTGACTTTATTGTTGCGCTTACTTGGGACTCACACACTCTACTAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_004950

Insert Size:

1130 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:

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_004950.3](#), [NP_004941.2](#)

RefSeq Size: 1594 bp

RefSeq ORF: 969 bp

Locus ID: 1833

UniProt ID: [Q99645](#)

Cytogenetics: 12q21.33

Domains: LRRNT, LRR, LRR_TYP

Protein Families: Secreted Protein

Gene Summary: Dermatan sulfate proteoglycan 3 is a member of the small leucine-rich repeat proteoglycan family. This gene is composed of seven exons. It regulates fibrillogenesis by interacting with collagen fibrils and other extracellular matrix proteins. [provided by RefSeq, Jul 2008]