

Product datasheet for **SC321109**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004950.3
 ACATCCATTGGTCAGGGGCAAATACCACTAGCTCTGCATCCTCAGTCACTTTGTGCCATT
 TCATCAGGTCAGAGCCAAAGGAAAGCTTGAAAAATGAAGACATTAGCAGGACTTGTCTG
 GGACTTGCATCTTTGATGCTGTGACTGCCCAACTCTAGAGTCCATCAACTATGAC
 TCAGAAACCTATGATGCCACCTAGAAGACCTGGATAATTTGTACAACTATGAAAACATA
 CCTGTTGGTAAAGTTGAGATTGAAATAGCCACAGTGATGCCTTCAGGGAACAGAGAGCTC
 CTCACTCCACCCACAGCCTGAGAAGGCCAGGAAGAGGAAGAGGAGGAATCTACT
 CCCAGGCTGATTGATGGCTCTTCTCCCCAGGAGCCTGAATTCACAGGGTTCTGGGGCCA
 CACACAAATGAAGACTTTCCAACCTGTCTTTTGTGACTTGTATAAGTACCACCGTGTAC
 TGTGATGACCATGAACCTGATGCTATTCTCCGCTGCCAAGAACACCGTTATTTCTAT
 TCCCGCTTTAACAGAATAAAAAGATCAACAAAAATGACTTTGCAAGCCTAAGTGATTTA
 AAAAGGATTGATCTGACATCAAATTTAATATCTGAGATTGATGAAGATGCATTCCGAAAA
 CTGCCTCAACTTCGAGAGCTTGCCTGCGTGACAACAAAATAAGGCAGCTCCAGAATTG
 CCAACCACTTTGACATTTATTGATATTAGCAACAATAGACTTGGAAAGAAAGGGATAAAG
 CAAGAAGCATTTAAAGACATGTATGATCTCCATCATCTGTACCTCACTGATAACAACCTG
 GACCACATCCCTCTGCCACTCCCAGAAAATCTACGAGCCCTTCACTCCAGAATAACAAC
 ATTCTGGAAATGCACGAAGATACGTTTCTGCAATGTTAAAAATTTGACTTATATTCGTAAG
 GCACTAGAGGACATTCGATTGGATGAAAACCTATTAATCTCAGCAAACTCCTCAAGCA
 TACATGTGTCTACCTCGTCTGCCTGTTGGGAGCCTTGTCTAATTTAGATAATGGTTAGC
 ATTACGATGGCTACTATAAATAAACCATTTACTGCTCTCTTCCAAAACAAAACCTCAGC
 ATGATACTTTGAGATTGTGTTCTGAGAGATGATGACTACATAAAAATACAATTAATAA
 GTTATAATGAAAATGTAGTAATTTAAGAAAACACCAGATGAGTTAGGAATAAACCTATAA
 CATTACAAAAGAGCAAACTAAGTGATAGAAAATATTTACACATGTTCTTATAGATC
 ATGTATCACTTGCAAGTTTTAGGAGTTCATATCCTATATCAATTTCAAATTAAGTACATAA
 TAAAGTAAAATTTTAAAATGAACACTTTAGGTATTTTTGCAAGATTTAGATGTTTTTAA
 TAAAATTTTCTCTCTTTTTTTTTCACTAAAGCATGTTTATCCCTAATCCATTAA
 GAGCATGAAAAAAGAATAAATGTATTTGAAAATTAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_004950
- 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).

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_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]