

Product datasheet for SC115264

PCOLE2 (PCOLCE2) (NM_013363) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCOLE2 (PCOLCE2) (NM_013363) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCOLE2
Synonyms:	PCPE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115264 sequence for NM_013363 edited (data generated by NextGen Sequencing)

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ATGAGGGGCGCGAACGCCTGGGCGCCACTCTGCCTGCTGTGGCTGCCGCCACCCAGCTC
TCGCGGCAGCAGTCCCCAGAGAGACCTGTTTTACATGTGGTGGCATTCTTACTGGAGAG
TCTGGATTATTGGCAGTGAAGGTTTTCTGGAGTGTACCCTCCAAATAGCAAATGTACT
TGGAAAATCACAGTTCGCCGAAGGAAAAGTAGTCGTTCTCAATTTCCGATTCATAGACCTC
GAGAGTGACAACCTGTGCCGCTATGACTTTGTGGATGTGTACAATGGCCATGCCAATGGC
CAGCGCATTGGCCGCTTCTGTGGCACTTTCCGGCCTGGAGCCCTTGTGTCCAGTGGCAAC
AAGATGATGGTGCAGATGATTTCTGATGCCAACACAGCTGGCAATGGCTTCATGGCCATG
TTCTCCGCTGCTGAACCAAACGAAAGAGGGGATCAGTATTGTGGAGGACTCCTTGACAGA
CCTTCCGCTCTTTTAAACCCCAACTGGCCAGACCGGGATTACCCTGCAGGAGTCACT
TGTGTGTGGCACATTGTAGCCCCAAAGAATCAGCTTATAGAATTAAGTTTGAGAAGTTT
GATGTGGAGCGAGATAACTACTGCCGATATGATTATGTGGCTGTGTTAATGGCGGGGAA
GTCAACGATGCTAGAAGAATTGGAAAGTATTGTGGTGTAGTCCACCTGCGCCAATTGTG
TCTGAGAGAAATGAACCTCTTATTCAGTTTTTATCAGACTTAAGTTTAACTGCAGATGGG
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ACCACCACATTCCTGTAACCACGGGTTTAAACCCACCGTGGCCTTGTGTCAACAAAAG
TGTAGACGGACGGGACTCTGGAGGGCAATTATTGTTCAAGTACTTTGTATTAGCCGGC
ACTGTTATCACAACCATCACTCGCGATGGGAGTTTGCACGCCACAGTCTCGATCATCAAC
ATCTACAAAGAGGAAATTTGGCGATTTCAGCAGCGGGCAAGAACATGAGTGCCAGGCTG
ACTGTCGCTGCAAGCAGTGCCTCTCCTCAGAAGAGGTCTAAATTACATTATTATGGGC
CAAGTAGGTGAAGATGGGCGAGGCAAAATCATGCCAACAGCTTTATCATGATGTTCAAG
ACCAAGAATCAGAAGCTCCTGGATGCCTTAAAAAATAAGCAATGTAA

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Clone variation with respect to NM_013363.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013363 unedited
 GATTTTGTAAATACGACTTACTATAGGNNCGGCCGCGCNAATTCGGCACGAGGGCCAGNA
 GCAGCTTTCCTCAGGGGAAACTAAGCGTCGAGTCAGACGGCACCATAATCGCCTTTAAAA
 GTGCTCCGCCCTGCGGGCCGCTATCCCCGGCTACCTGGGCCGCCCGCGGGTGGC
 CGCGTGAGAGGGAGCGCGCGGCCAGCCGAGCGCGGTGTAGCCAGCGCTGCTGCCAGTG
 TGAGCGGCGGTGTAGCGCGGTGGTGCGGAGGGGCGTGTGTGCCGGCGCGCGCGCGTGT
 NGGTGCAAACCCGAGCGTCTACGCTGCCATGAGGGGCGCGAACGCCTGGGCGCCACTCT
 GCCTGCTGCTGGCTGCCGCCACCCAGCTCTCGCGCAGCAGTCCCAGAGAGACCTGTTT
 TCACATGTGGTGGCATTCTACTGGAGAGTCTGGATTTATTGGCAGTGAAGGTTTTCTCTG
 GAGTGTACCCTCCAAATAGCANATGTAAGTGGAAAATCACAGTTCGGAAGGAAAAGTAG
 TCGTTCTCAATTTCCGATTCATAGACCTCGAGAGTGACAACTGTGCCGCTATGACTTTG
 TGGATGTGTACCATGGCCATGCCAATGGCCAGCGCATTGGCCGCTTCTGTGGCACTTTCC
 GGCCTGGAGCCCTTGTGTCCAGTGGNCAACAGATGATGGTGCAGATGATTTCTGATGCC
 ACACAGCTGGCAATGGCTTCATGGCCATGTTCTCCGCTGCTGAACCAACGAAAGAGGGGA
 TCAGTATTGTGGAAGGACTCTTGACAGACCTTCCGGCTCTTTAAAACCCCACTGGCCA
 GACCGGNATACCTGACAGGAGTCACTTGTGTGNTGCACATTGTAGCCCCAAGAATCAGCT
 TATAGATTAAGTTTGAGAATTTGATGTGGAGCGAGATACTACTGCCGAATGATATGTGCC
 TGGTTTATGCCGGGAAGTCACGATGCTGAGAATGGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013363 unedited
 CGGCCACTTAGNACCGCGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCTTTAAAAATTTTATTAACCCTTGTTTT
 AAAAAACCAAAACAAGATTGTACCCCTCAGGGCAAAGGCTTGAAGGGGAAACAATAA
 CCCTTTAAATTTTGCCCTTCTAAATCTTTTTTGACATCTTACCCAACCTCAATTTTAA
 AATATCCTTTTACAAAAATGTTTAAATAAACCTTCCAAGCTGTCAACGCTTGACACTTT
 TAGCTTCTATCCCCGCCCTAAGTCGGCGGGTTTCCAATCAAATAGCTGCCCTCTGACA
 GCAGGCAAAAACTTCCCTCAGCTTTTTGGGAGGCCTCATACCCCTTCAATGGGAAAAGT
 CAACCAGCCCATCTTTCGGAAGGCTCTTTCAAATATGGAATTTTATAAGTTTTTTTTT
 TCCTACGAAAAAACATAATTCTTTCAAAGCAATGGCAAAATACAGCTTAAATGGACAC
 AGTTCACTGTAAACATTGCTTATTTTTAAGGCATCCAGGACCTTCTGATTCTTGGCCTT
 GAACTCATGATAAACCTGTTTGGCATGATTTTGCCTCCCCATTTTACCTATTTGGCCC
 ATAATAATGTAATTTAAACCCCTTCTGAGAAAGGGCACTGCTTGCAAACAACAGTAACC
 TGCCACTCATGTTCTTGCCTCCCTGCTGAAACCCAAATTTCCCTTTGNAAATGTTGAT
 GATCGAAAATGGGGGCTGCCAACCTCCATCGCGAGGATGGTTGTGATAACAGGGCGGGCT
 AACCAAGCCCCTGAACCATATTTGCC

Restriction Sites:

NotI-NotI

ACCN:

NM_013363

Insert Size:

2150 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_013363.2](#), [NP_037495.1](#)

RefSeq Size: 1988 bp

RefSeq ORF: 1248 bp

Locus ID: 26577

UniProt ID: [Q9UKZ9](#)

Cytogenetics: 3q23

Domains: CUB, NTR

Protein Families: Secreted Protein

Gene Summary: Binds to the C-terminal propeptide of types I and II procollagens and may enhance the cleavage of that propeptide by BMP1.[UniProtKB/Swiss-Prot Function]