

Product datasheet for **SC215286**

SCUBE2 (NM_020974) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SCUBE2 (NM_020974) Human 3' UTR Clone
Symbol:	SCUBE2
Synonyms:	CEGB1; CEGF1; CEGP1; scube/You
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_020974
Insert Size:	1599 bp



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Insert Sequence: >SC215286 3'UTR clone of NM_020974
The sequence shown below is from the reference sequence of NM_020974. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
GTGTCCAGGTTTTTGAGACCTTACAAATACTCAGCCACGTGCCACTCAATACAAATGTTCTGCTATA
GGTGTGGTGGGACAGAGCTGTCTTCTTCTGCATGTGAGCAGTCGGGTATTGTGCTCTCCGTATCA
GTGACTCATTAGAGTTCAATTTTATAGATAATACAGATATTTTGGTAAATTGAACCTGGTTTTCTTT
CCCAGCATCGTGGATGTAGACTGAGAATGGCTTTGAGTGGCATCAGCTTCTCACTGCTGTGGCGGATG
TCTTGGATAGATCAGGGCTGGCTGAGCTGGACTTTGGTCAGCCTAGGTGAGACTCACCTGTCTCTCTG
GGGTCTTACTCCTCCTCAAGGAGTCTGTAGTGGAAAGGAGGCCACAGAATAAGCTGCTTATTCTGAAAC
TTCAGCTTCTCTAGCCCGGCCCTCTAAGGGAGCCCTCTGCACTCGTGTGCAGGCTCTGACCAGGCA
GAACAGGCAAGAGGGGAGGGAAGGAGACCCCTGCAGGCTCCCTCCACCCACCTTGAGACCTGGGAGGAC
TCAGTTTCTCCACAGCCTTCTCCAGCCTGTGTGATACAAGTTTGATCCCAGGAACCTTGAGTTCTAAGCA
GTGCTCGTGAAAAAAGCAGAAAGAATTAGAAATAAATAAAAACTAAGCACTTCTGGAGACATAAT
AATGTACATTTATTGCCAGCCTTCTCGTTGCAAGCTTCCACCCTGCAGCAATGCACTATGCTGACTC
TCGCACCTTCAGCTGTGCCCTCTGACACTCTGCTGGCCATTGCCTGAGGGACTGGGGAGTTCAGGTGAA
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TATTGCCAAGGGTTCTACTCCCCAAGTGGGCTTCCCATCACAAGGGATCTGAGGTCCAGGTGGGTGTGG
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GACATGAGCAGCCCTTGAAGGGTGGTCTATTCTTAACAGTAACAGCACTGCCAGAAACACCCCTG
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ATCCAATCAAACAAGCCACCACTTCCCTAATGGATGGACTACCTACAATAAGTGTGTTTGTATTTC
ATAACAATTCTATGCACAGCCAATTCTCCATACCAAAAGTACTAAAAAATGTTTAAACAGCATTTTGA
AGAAAAACAAGAGAACTTCAATTATGGTTAACTTGCTTTTCATCTCAGTGTGCTTTTTTAACCTGTT
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AGATTTCTCTTAAAAAGTTTGAACATCATCATTAATAAAAAAATAGCATTAAACAAGCACTTGGACTT
TGTATACTGGA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_020974.4

Summary:	Lipid-binding protein required for SHH long-range signaling by binding to the dually lipid-modified SHH (ShhNp) and by promoting ShhNp mobilization, solubilization and release from the cell membrane (PubMed:22902404, PubMed:22677548). Acts by enhancing the proteolytic processing (shedding) of the lipid-modified N- and C- terminal of ShhNp at the cell surface (PubMed:24522195). Synergizes with DISP1 to increase SHH secretion (PubMed:22902404). Probable cell surface coreceptor for VEGFR2 involved in VEGFR2-mediated angiogenesis (PubMed:27834687).[UniProtKB/Swiss-Prot Function]
Locus ID:	57758
MW:	59.8