

Product datasheet for SC126481

SCUBE3 (NM_152753) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCUBE3 (NM_152753) Human Untagged Clone
Tag: Tag Free
Symbol: SCUBE3
Synonyms: CEGF3; SSFSC2
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_152753 edited
 CTCTCTCCCGGCGAAGCTGGGAATTGGGTGGGATTACACGGAGCAGCCCCGCCGCCGCC
 CTGGCAGAGCCGGCTTGGAGAGGGCGGGGGTTCCCTCCGTCAGTCGCCCTGGCGCC
 CTCGCCTTGTGCGACTCTCCGCCTCGCTCTCCCGACGTCGGGCCAGGAGGAGCCGGTAG
 CATCGGGAGCCTCGCGCCGAGGGCGCCGGTCCGCGCCCGCGACTGCAGCCCCGGCC
 TGGCCCCGGCGGGCGCCCCCTCCCTCCCTCCTGCGAGCTGGGATCCGGCCGGCTTC
 CGCCCTCCCTGGCCGCGAGACCGGCCCGGGCTGGGCGCCAGTAGCTCCAGCCATG
 GGCTCGGGGCGCGTACCCGGGCTCTGCCTGCTTGTCTGCTGGTCCACGCCCGCGCCGC
 CAGTACAGCAAAGCCGCGCAAGATGTGGATGAGTGTGGAGGGGACTGACAACTGCCAC
 ATCGATGCTATCTGCCAGAACACCCGAGGTCATAACAAGTGCATCTGCAAGTCTGGCTAC
 ACAGGGGACGGCAAACACTGCAAAGACGTGGATGAGTGGCAGCGAGAGGATAATGCAGGT
 TGTGTGCATGACTGTGTCAACATCCCTGGCAATTACCGGTGTACCTGCTATGATGGATTC
 CACCTGGCACATGACGGACACAACCTGTCTGGATGTGGACGAGTGTGCCGAGGGCAACGGC
 GGCTGTGACGAGAGCTGTGTCAACATGATGGGCAGCTATGAGTGCCACTGCCGGGAAGGC
 TTCTTCTCAGCGACAACCAGCATACCTGTATCCAGCGGCCAGAAGGAATGAACTGCATG
 AACAAGAACCCAGGCTGTGCCACATTTGCCGGGAGACACCAAGGGGGTATTGCCTGT
 GAATGCCGTCCTGGCTTTGAGCTTACCAAGAACCAACGGGACTGTAATGACATGCAAC
 TATGGTAACGGCGGCTGCCAGCACACGTGTGATGACACAGAGCAGGGTCCCCGGTGGCGC
 TGCCATATCAAGTTTGTGCTCCATACCGACGGGAAGACATGCATCGAGACCTGTGCTGTC
 AACCAACGGGGGCTGTGACAGTAAGTGCCATGATGACAGCGATTGGTGTCCACTGCACCTGC
 CCTGTGGGCTTATGCTGCAGCCAGACAGGAAGACGTGCAAAGATATAGATGAGTGCCGC
 TTAACAACGGGGGCTGTGACCATATTTGCCGCAACACAGTGGGAGCTTCAATGCAGT
 TGCAAGAAAGGCTATAAGCTTCTCATCAATGAGAGGAACTGCCAGGATATAGACGAGTGT
 TCCTTTGATCGAACCTGTGACCACATATGTGTCAACACACCAGGAAGCTTCCAGTGTCTC
 TGCCATCGTGGCTACCTGTTGTATGGTATCACCCACTGTGGGGATGTGGATGAATGCAGC
 ATCAACCGGGGAGGTTGCCGCTTTGGCTGCATCAACACTCCTGGCAGCTACCAGTGTACC
 TGCCAGCAGGCCAGGGTCGGCTGCACTGGAATGGCAAAGATTGCACAGGCCACTGAAG



[View online »](#)

TGTCAGGGCAGTCTGGGGCCTCGAAAGCCATGCTCAGCTGCAACCGGTCTGGCAAGAAG
GACACCTGTGCCCTGACCTGTCCCTCCAGGGCCCGATTTTTGCCAGAGTCTGAGAATGGC
TTCACGGTGAGCTGTGGGACCCCGACCCAGGGCTGCTCCAGCCCGAGCTGGCCACAAT
GGGAACAGCACCAACTCCAACCTGCCATGAGGCTGCAGTGTCTTAAACAACGG
GCCTCCTTCAAGATCAAGGATGCCAAATGCCGTTTGCACCTGCGAAACAAAGGCAAAACA
GAGGAGGCTGGCAGAATCACAGGGCCAGGTGGTCCCCCTGCTGAATGCCAGTCCAC
TTCATCCACCTTAAGTGTGACTCCTCTCGGAAGGGCAAGGGCCGACGGGCCCGACCCCT
CCAGGCAAAGAGGTCACAAGGCTCACCTGGAACCTGGAGGCAGAGGTGAGAGCCGAAGAA
ACCACAGCCAGCTGTGGGCTGCCCTGCCTCCGACAGCAATGGAACGGCGCTGAAAGGA
TCCCTGAAGATGCTCAGAAAGTCCATCAACCAGGACCGCTTCTGCTGCGCTGGCAGGC
CTTGATTATGAGCTGGCCACAAGCCGGGCTGGTAGCCGGGAGCGAGCAGAGCCGATG
GAGTCTGTAGGCCCGGGCAGCACCGTGTGGGACCAAGTGTGTCAGCTGCCCGCAGGGA
ACGTATTACCACGGCCAGACGGAGCAGTGTGCCATGCCAGCGGGCACCTTCCAGGAG
AGAGAAGGGCAGCTCTCTGCGACCTTTGCCCTGGGAGTGTGCCACGGGCCTCTTGGA
GCCACCAACGTACCACGTGTGCAGGTGAGTCCACCTGGCCAACTCTGTAGATGGG
TTCAAGCCCTGTAGCCATGCCACGTGGCACCTACCAACTGAAGCAGGACGGACCCCTA
TGCTTCCCTTGTGGTGGGGCCTCACCACCAAGCATGAAGGGGCCATTTCTTCCAGAC
TGTGACACCAAAGTCCAGTGTCCCGGGCACTACTACAACACCAGCATCCACCCTGT
ATTCGCTGTGCCATGGGCTCCTATCAGCCCGACTTCCGTGAGAACTTCTGAGCCGCTGT
CCAGGAAACACAAGCACAGACTTTGATGGCTCTACCAGTGTGGCCCAATGCAAGAATCGT
CAGTGTGGTGGGAGCTGGGTGAGTTACTGGCTATATTGAGTCCCCAACTACCCGGGC
AACTACCAGCTGGTGTGGAGTGCATCTGGAACATCAACCCCAACCAAGCGCAAGATC
CTTATCGTGGTACCAGAGATCTTCTGCCATCTGAGGATGAGTGTGGGGACGTCCTCGTC
ATGAGAAAGAAGTCAATCCCATCCCTTACCCTTATGAGACCTGCCAGACCTACGAG
CGTCCCATTTGCCCTTACTGCCCGTTCCAGGAAGCTCTGGATCAACTTCAAGACAAGCGAG
GCCAACAGCGCCCGTGGCTTCCAGATTCCCTATGTTACCTATGATGAGGACTATGAGCAG
CTGGTAGAAGACATTGTGCGAGATGGCCGGCTCTATGCCTCTGAAAACACCAGGAGATT
TTAAAGGACAAGAAGCTCATCAAGGCCTTCTTTGAGGTGCTAGCCACCCCAAGAACTAC
TTCAAGTACACAGAGAAACACAAGGAGATGCTGCCAAAATCCTTCATCAAGCTGCTCCGC
TCCAAAGTTTCCAGCTTCTGAGGCCCTACAAATAGTAACCCTAGGCTCAGAGACCCAAT
TTTTTAAGCCCCAGACTCCTTAGCCCTCAGAGCCGGCAGCCCCCTACCCTCAGACAAGG
AACTCTCTCTCTTTTTTGGAGGGAAAAAAAATATCACTACACAAACCAGGCACTCT
CCCTTTCTGTCTTTCTAGTTTCCCTTTCCTTGTCTCTCTGCCTGCCTCTCTACTGTTCC
CCCTTTTCTAACACACTACCTAGAAAAGCCATTGACTACTGGCTCTAGTCCCCGTGAGAT
GTAAAGAAACAGTACAGCCCTTCCACTGCCATTTTACCAGCTCACATTTCCGACCCCA
TCAGCTTGGAAAGGGTGTAGAGGCCATCAAGGAAGTGGGTCTGGTGGGAAACGGGGAGG
GGAAAGAAAGGGCTTCTGCCATTAAGGGTTGTGCCTTGTAGTACAGGGGCCAAAATGTCC
CCTGGCTCTGCTCCCTAGGGTATTCTAACAGCCAGGGTCTGCCAAAGAAGCCTTTGA
TTTACAGGCTTAATGCCAGCACCAGTCTCTGGGGCACATGGTTTGTAGCTCTGGACTTCC
CACATGGCCAGCTTTCTGTCTATACAGATCCTCTCTTTCTTTCCCTACGTCTGCCTGGG
GTCTACTCCATAAGGGTTTACAAATGGCCACAACACTGAGTTAGTGGACACCGGCTAAA
TGAGGAAGAGCAGCAGGCATTGTGATGGTGAATGCCCGCTGTAGCTCCCTGAGAGAAA
ACTGTAACCTGTCAGGACAGAAACAAGTTTTAAAGCATTGCCAAAAA

AA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152753 unedited NGGGCGGTTTCGGATTTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGCT CTCTCCCGGCGAAGCTGGGAATTGGGTGGGATTACACGGAGCAGCCCCGCGCCGCGCT GGCAGAGGCCGGCTTGGAGAGGGCGGGGTTCCCTCCGTCAGTCGCCCCGGCGCCCCT CGCCTTGTGCGACTCTCCGCCTCGCTCTCCCCGACGTCCGGCCAGGAGGACCGGTAGCA TCGGGAGCCTCGCGCCGAGGGCGCCGGTCCGCGCCCCGCGACTGCAGCCCCGGCCTG GCCCGGCGGGGGCGCCCCTCCCCTCCCCTCCTGCGAGCTGGGATCCGGCCGGCTCCG CCTCCCCTGGCCGCGAGACCGGCCCGCGGCTGGGCCGCCAGTAGCTCCAGCCATGGG CTCGGGGCGCGTACCCGGGCTCTGCCTGCTTGTCTGCTGGTCCACGCCCGCGCCCA GTACAGCAAAGCCGCGCAAGATGTGGATGAGTGTGTGGAGGGACTGACAACTGCCACAT CGATGCTATCTGCCAGAACACCCCGAGGTCATACAAGTGCATCTGCAAGTCTGGCTACAC AGGGGACGGCAAACACTGCAAAGACGTGGATGAGTGCAGCGAGAGGATAATGCAGTTG TGTGCATGACTGTGTCAACATCCCTGGCAATTACCGGTGTACCTGCTATGATGGATTCCA CCTGGCACATGACGGACACAACACTGTCTGGATGTGGACCAGTGTGCCGAGGGCAACGGCGG CTGTGACGAGCTGTGTCAACATGATGGGCAGCTATGAGTGCCACTTGCCGGGAAGGCT TCTTCCTTAGCGACAACCAGCATACCCTGTATCCAGCGGCCAGAATGA
Restriction Sites:	Please inquire
ACCN:	NM_152753
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:	<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:	<u>NM_152753.2</u> , <u>NP_689966.2</u>
RefSeq Size:	5115 bp
RefSeq ORF:	2982 bp
Locus ID:	222663
UniProt ID:	<u>Q8IX30</u>
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

This gene encodes a member of the signal peptide, complement subcomponents C1r/C1s, Uegf, bone morphogenetic protein-1 and epidermal growth factor-like domain containing protein family. Overexpression of this gene in human embryonic kidney cells results in secretion of a glycosylated form of the protein that forms oligomers and tethers to the cell surface. This gene is upregulated in lung cancer tumor tissue compared to healthy tissue and is associated with loss of the epithelial marker E-cadherin and with increased expression of vimentin, a mesenchymal marker. In addition, the protein encoded by this gene is a transforming growth factor beta receptor ligand, and when secreted by cancer cells, it can be cleaved in vitro to release the N-terminal epidermal growth factor-like repeat domain and the C-terminal complement subcomponents C1r/C1s domain. Both the full length protein and C-terminal fragment can bind to the transforming growth factor beta type II receptor to promote the epithelial-mesenchymal transition and tumor angiogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).