

Product datasheet for **RG230505**

SCUBE2 (NM_001170690) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCUBE2 (NM_001170690) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCUBE2
Synonyms:	CEGB1; CEGF1; CEGP1; scube/You
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Protein Sequence: >RG230505 representing NM_001170690
 Red=Cloning site Green=Tags(s)

MGVAGRNRPGAAWAVLLLLLLLLPLLLLLAGAVPPGRGRAAGPQEDVDECAQGLDDCHADALCQNTPTS
 SYKCSCKPGYQGEGRQCEDIIDECGNELNGGCVHDCLNIPGNYRCTCFDGFMLAHDGHNCLDVDE
 CLENNGGCQHTCVNVMGSYECCCKEGFFLSDNQHTCIHRSEGLSCMNKDHGCSHICKEAPRGS
 VACECRPGFELAKNQ RDCILTCNHGNGGCQHSCDDTADGPECSCHPQYKMHTDGRSCLERED
 TVLEVTESNTTSVVDGDKRVKRRLLMETCAVNNGGCDRTCKDTSTGVHCSPVGF
 TLQLDGKTCKDIDECQTRNGGCDHFCKNIVGSFDCGCKGFKLLTDEKSCQDVDECSLDRT
 CDHSCINHPGTFACACNRGYTLYGFTHCGDTNECSINNGGCQQVCVNTVGSYEQCHPGYK
 LHWNKKDCVASCDLSCIIVKRTEKRLRKAIRTLRKAVHREQFHLQLSGMNLDVAKKP
 PRTSERQAESEGVGGHAENQCVSCRAGTYD GARERCILCPNGTFQNEEQMTCEPCPRPGNS
 GALKTPEAWNMSECGGLCQPGEYSADGFAPCQLCALGTFQPEAGRTSCFPCGGGLATKHQ
 GATSFQDCETRVQCSPGHFYNTTTHRCIRCPVGTYPQEFGKNNCVSCPGNTTDFD
 GSTNITQCKTSSNSVTTYETCQTYERPIAFTSRSKKLWIQFKSNEGNSARGFQVPYV
 TYDEDYQELIEDIVRDGRLYASENHQEILKDKKLIKALFDVLAHPQNYFKYTAQESRE
 MPRSFIRLLRSKVSRLRPYK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

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_001170690.2](#)

RefSeq Size: 4058 bp

RefSeq ORF: 2424 bp

Locus ID: 57758

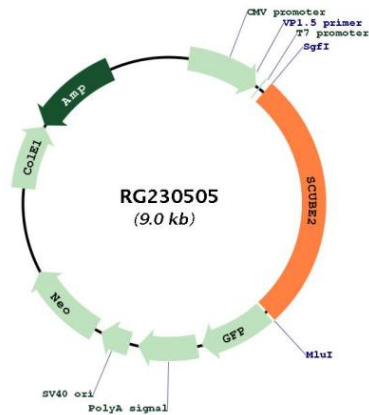
UniProt ID: [Q9NQ36](#)

Cytogenetics: 11p15.4

Protein Families: Transmembrane

Gene 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]

Product images:



Circular map for RG230505