

Product datasheet for **RG220705**

SCUBE1 (NM_173050) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCUBE1 (NM_173050) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCUBE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220705 representing NM_173050
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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 GGGCAGCGGGCTCCCAGGGTCAGTCGACGTGGATGAGTGCTCAGAGGGCACAGATGACTGCCACATCGA
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 TCTCGGTTCTGCGGCCCTACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220705 representing NM_173050
Red=Cloning site Green=Tags(s)

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MGAAAVRWHLCVLLALGTRGRLAGGSGLPGSVDVDECSEGTDDCHIDAICQNAPKSYKCLCKPGYKGEK
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

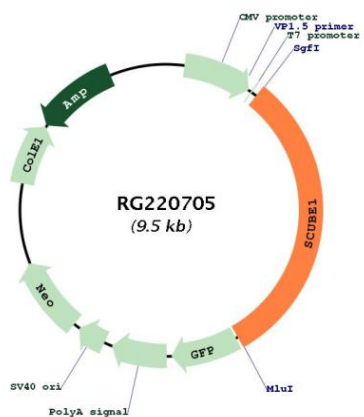


ACCN: NM_173050

ORF Size: 2964 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_173050.1 , NP_766638.1
RefSeq Size:	2992 bp
RefSeq ORF:	2967 bp
Locus ID:	80274
UniProt ID:	Q8IWY4
Cytogenetics:	22q13.2
Domains:	CUB, EGF_CA, EGF, EGF
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes a cell surface glycoprotein that is a member of the SCUBE (signal peptide, CUB domain, EGF (epidermal growth factor)-like protein) family. Family members have an amino-terminal signal peptide, nine copies of EGF-like repeats and a CUB domain at the carboxyl terminus. This protein is expressed in platelets and endothelial cells and may play an important role in vascular biology. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RG220705