

Product datasheet for RC221900

SFTPA2B (NM_006926) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SFTPA2B (NM_006926) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: SFTPA2B

Synonyms: AC068139.3; SFTPA2; SP-A1; SP-A2; SPAII

Mammalian Cell Neo

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC221900 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

SFTPA2B (NM_006926) Human Tagged ORF Clone - RC221900

Protein Sequence: >RC221900 protein sequence

Red=Cloning site Green=Tags(s)

MWLCPLALTLILMAASGAACEVKDVCVGSPGIPGTPGSHGLPGRDGVKGDPGPPGPMGPPGETPCPP GNNGLPGAPGVPGERGEKGEAGERGPPGLPAHLDEELQATLHDFRHQILQTRGALSLQGSIMTVGEKVFS SNGQSITFDAIQEACARAGGRIAVPRNPEENEAIASFVKKYNTYAYVGLTEGPSPGDFRYSDGTPVNYTN WYRGEPAGRGKEQCVEMYTDGQWNDRNCLYSRLTICEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6445 b05.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



CTATAGGGCGGCCGC	_EcoR GGAATTCGTCG	BamHI P			Kozac Consensu Sg	ıfi_	ATG -	
ORF	mun	Miui Acg ogt ac Tr 1	Not I	Xhol CTC GAG L E	CAG AAA Q K	Myc.Tag CTC AT L I	C TCA S	GAA GAG E E
GAT CTG GCA GC. D L A A		V ATC CTG GAN I L <u>D</u>	Flag.T TAC AAG Y K	-	GAC GAT D D		Pme I TAA stop	Fse I ACGGCCGGCC

^{*} The last codon before the Stop codon of the ORF

ACCN: NM_006926

ORF Size: 744 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:

- 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.

NM 006926.1, NP 008857.1 RefSeq:

RefSeq Size: 2190 bp RefSeq ORF: 746 bp Locus ID: 6436

Cytogenetics: 10q22.3

Protein Families: Secreted Protein

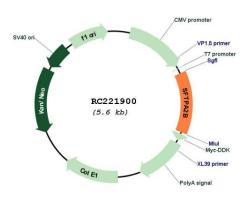
MW: 26.2 kDa

Gene Summary: DISCONTINUED: This record has been withdrawn by the HUGO Gene Nomenclature

Committee (HGNC), and it has been determined that the sequence is redundant with SFTPA2

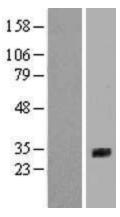
(GeneID:729238) in the GRCh37.1 reference assembly.

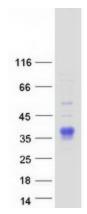
Product images:



Circular map for RC221900







Western blot validation of overexpression lysate (Cat# [LY416318]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221900 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified SFTPA2B protein (Cat# [TP321900]). The protein was produced from HEK293T cells transfected with SFTPA2B cDNA clone (Cat# RC221900) using MegaTran 2.0 (Cat# [TT210002]).