

Product datasheet for **RG204645**

CCDC59 (NM_014167) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CCDC59
Synonyms:	BR22; HSPC128; TAP26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204645 representing NM_014167
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCCGGTGAGGCGGTCCGCGAAGTGGCGGCCTGGTGGTATTGAGGCGCGTGGTGAAGGGGTTTCCA
CTGTCCGGTACAGGAATAAGAATGTGAGACAGAAGACATGGCGGCCTAACCACCCGCAAGCCTTCGTGGG
GAGCGTTCGCGAGGGACAAGGCTTTGCTTTTCGAAGAAACTGAAAATACAGCAAAGTTACAAGAAATTG
CTACGGAAGGAAAAGAAGGCTCAACGCTCACTGGAATCTCAATTCACAGATCGATACCCAGATAATCTGA
AACATCTCTATTTAGCTGAAGAGGAAAGACATAGGAAGCAAGCAAGAAAAGTCGACCATCCTTTGTCAGA
ACAAGTTCACCAGCCGTTGCTTGAAGAACAGTGTAGCATTGACGAGCCTTTATTTGAAGATCAGTGTAGC
TTTGACCAGCCTCAGCCAGAAGAACAATGTATTTAAACAGTAACTCCTTTACAATTCCAAGAAAAATA
AAAAGAAAACATCAATCAAAAAGCACAAGAAGATATGAACAGATACAAGCCAAACGTGCTGCTAAGAA
ACAAGAATTCGAGAGGAGAAAAAGGAGAGAGAAGAAGCCAAAGGCAGTACAAAAAGAGAAAAATGGAA
GTGTTTAAATACTGAACAAAAAGACTAAAAAGGCCAACCAAACTTGAATGTACAAATGGAGTACCTTC
TTCAAAAAATACAAGAAAAATGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



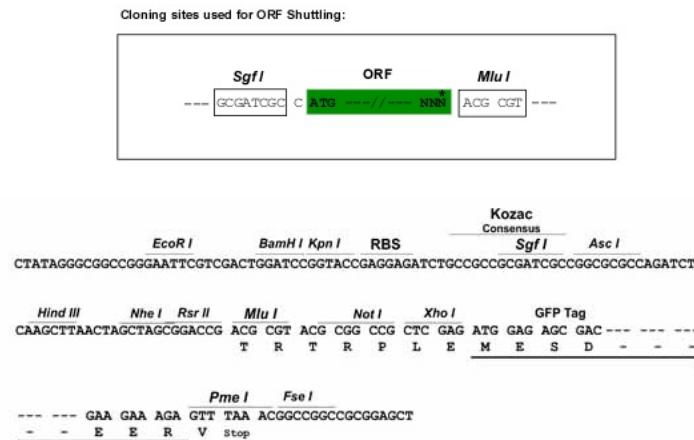
Protein Sequence: >RG204645 representing NM_014167
Red=Cloning site Green=Tags(s)

MAPVRRSAKWPGGIEARGEGVSTVGYRNKNVRQKTWRPNHPQAFVGSVREGQGFAFRRLKLIQQSYKKL
LRKEKKAQTSLESQFTDRYPDNLKHLYLEEERHRKQARKVDHPLSEQVHQPLLEEQCSIDEPLFEDQCS
FDQPQPEEQCIKTVNSFTIPKKNKKTSNQAQEEYEIQAKRAAKKQEFERRKQEREEAQRQYKKKKME
VFKILNKKTKKGQPNLNVQMEYLLQKIQEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014167

ORF Size: 723 bp

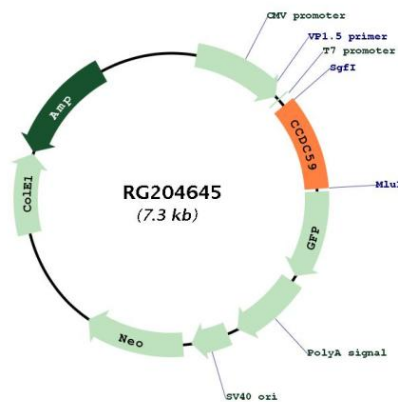
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_014167.5</u>
RefSeq Size:	1066 bp
RefSeq ORF:	726 bp
Locus ID:	29080
UniProt ID:	<u>Q9P031</u>
Cytogenetics:	12q21.31
Gene Summary:	Component of the transcription complexes of the pulmonary surfactant-associated protein-B (SFTPB) and -C (SFTPC). Enhances homeobox protein Nkx-2.1-activated SFTPB and SFTPC promoter activities.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204645