OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC205273

C6orf64 (SAYSD1) (NM_018322) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf64 (SAYSD1) (NM_018322) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6orf64
Synonyms:	C6orf64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC205273 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAACAGCGGTTAGCTGAGTTTCGGGCGGCGCGGAAACGGGCGGGTCTGGCGGCCCAACCCCCTGCTG
CCAGTCAGGGCGCACAAACCCCAGGAGAGAAGGCGGAAGCAGCAGCGACTCTAAAGGCAGCCCCAGGCTG
GCTAAAGCGGTTCCTGGTATGGAAACCTAGGCCCGCGAGTGCCCGGGCCCAGCCCGGCCTAGTTCAGGAA
GCGGCTCAGCCCCAGGGCAGCACATCAGAGACACCATGGAACACAGCCATTCCTCTGCCGTCGTGCTGGG
ACCAGTCTTTCCTGACCAATATCACCTTCTTGAAGGTTCTTCTCTGGTTGGTCCTGCTGGGACTGTTTGT
GGAACTGGAATTTGGCCTGGCATATTTTGTCCTGTCCTTGTTCTATTGGATGTACGTCGGGACACGAGGC
CCTGAAGAGAAGAAAGAGGGAGAGAAGAGCGCCTACTCTGTGTTCAATCCAGGCTGTGAAGCCATCCAGG
GCACCCTGACTGCAGAGCAGTTGGAGCGCGAGTTACAGTTGAGACCCCTGGCAGGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205273 protein sequence
Red=Cloning site Green=Tags(s)

MEQRLAEFRAARKRAGLAAQPPAASQGAQTPGEKAEAAATLKAAPGWLKRFLVWKPRPASARAQPGLVQE
AAQPQGSTSETPWNTAIPLPSCWDQSFLTNITFLKVLLWLVLLGLFVELEFGLAYFVLSLFYWMYVGTRG
PEEKKEGEKSAYSVFNPGCEAIQGTLTAEQLERELQLRPLAGR

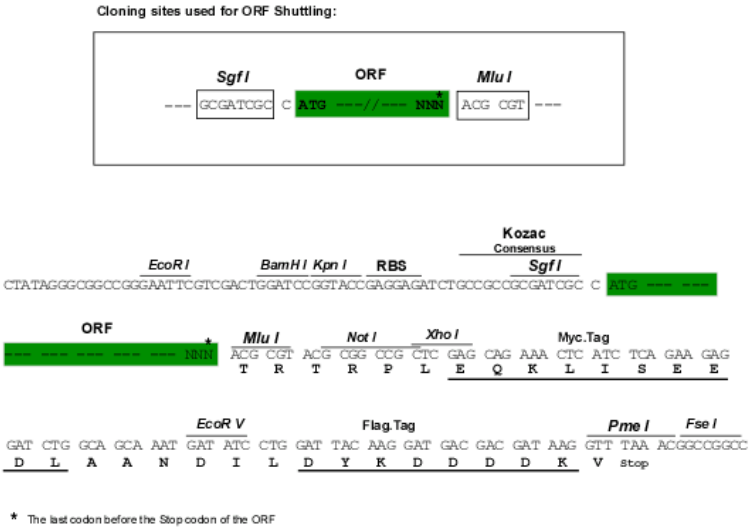
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6314_d09.zip

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018322

ORF Size: 549 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.

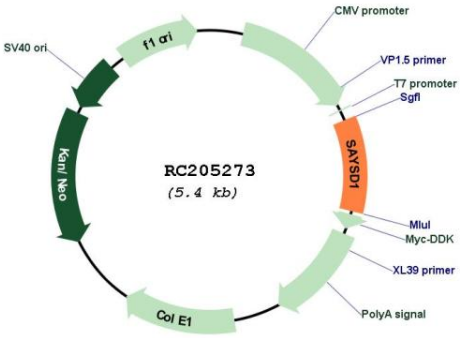
RefSeq: NM_018322.3

RefSeq Size: 1920 bp

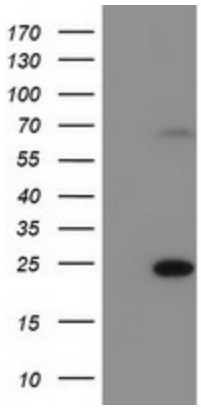
RefSeq ORF: 552 bp

Locus ID:	55776
UniProt ID:	Q9NPB0
Cytogenetics:	6p21.2
Protein Families:	Transmembrane
MW:	20.2 kDa

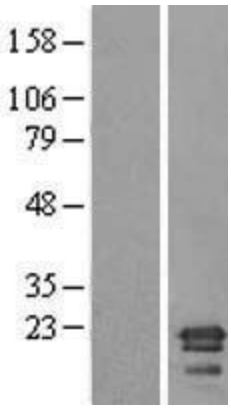
Product images:



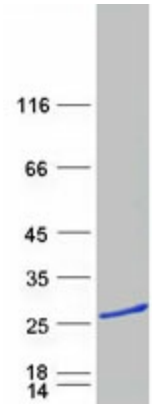
Circular map for RC205273



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C6orf64 (Cat# RC205273, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C6orf64(Cat# [TA504635]). Positive lysates [LY413165] (100ug) and [LC413165] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY413165]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205273 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SAYSD1 protein (Cat# [TP305273]). The protein was produced from HEK293T cells transfected with SAYSD1 cDNA clone (Cat# RC205273) using MegaTran 2.0 (Cat# [TT210002]).