

Product datasheet for **RG206986**

C2orf18 (SLC35F6) (NM_017877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf18 (SLC35F6) (NM_017877) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C2orf18
Synonyms:	ANT2BP; C2orf18; TANGO9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206986 representing NM_017877 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGGACCAAGTACCAGCTGTTCTGGCCGGGCTCATGCTTGTACCGGCTCCATCAACACGCTCT
CGGCAAAATGGGCGGACAATTTTCATGGCCGAGGGCTGTGGAGGGAGCAAGGAGCACAGCTTCCAGCATCC
CTTCTCCAGGCAGTGGGCATGTTCTGGGAGAATTCTCTGCCTGGCTGCCTTCTACCTCCTCCGATGC
AGAGCTGCAGGGCAATCAGACTCCAGCGTAGACCCCGAGCAGCCCTTCAACCCTCTCTTTCTGCCCC
CAGCGCTCTGTGACATGACAGGGACCAGCCTCATGTATGTGGCTCTGAACATGACCAGTGCCTCCAGCTT
CCAGATGCTGCGGGTGCAGTGATCATATTCAGTGGCCTGTTCTCGGTGGCCTTCCCTGGGCCGAGGCTG
GTGCTGAGCCAGTGGCTGGGCATCCTAGCCACCATCGCGGGGCTGGTGGTTCGTGGCCTGGCTGACCTCC
TGAGCAAGCACGACAGTACAGACAAGCTCAGCGAAGTGATCACAGGGGACCTGTTGATCATCATGGCCCA
GATCATCGTTGCCATCCAGATGGTGCTAGAGGAGAAGTTCGTCTACAAACACAATGTGCACCCACTGCGG
GCAGTTGGCACTGAGGGCCTCTTTGGCTTTGTGATCCTCTCCCTGCTGCTGGTGGCCATGTACTACATCC
CCGCCGGCTCCTCAGCGGAAACCCTCGTGGGACACTGGAGGATGCATTGGACGCCTTCTGCCAGGTGGG
CCAGCAGCCGCTCATTGCCGTGGCACTGCTGGGCAACATCAGCAGCATTGCCTTCTCAACTTCGCAGGC
ATCAGCGTCACCAAGGAAGTACAGCGCCACCACCCGCATGGTGTGGACAGCTTGGCAGCCGTTGTCATCT
GGGCACTGAGCCTGGCACTGGGCTGGGAGGCCTTCCATGCACTGCAGATCCTTGGCTTCTCATACTCCT
TATAGGCACTGCCCTCTACAATGGGCTACACCGTCCGCTGCTGGGCCGCTGTCCAGGGCCGGCCCTG
GCAGAGGAGAGCGAGCAGGAGAGACTGCTGGTGGCACCCGCACTCCCATCAATGATGCCAGC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206986 representing NM_017877
 Red=Cloning site Green=Tags(s)

MAWTKYQLFLAGLMLVTGSINTLSAKWADNFMAEGCGGSKEHSFQHPFLQAVGMFLGEFSCLAIFYLLRC
 RAAGQSDSSVDPQQPFNPLFLPPALCDMTGTSMLYVALNMTSASSFQMLRGAVIIFTGLFSVAFGLGRRL
 VLSQWLGIATAGLVVGLADLLSKHDSQHKLSEVITGDLLIIMAQIIIVAIQMVLEEKFYVYKHNHPLR
 AVGTEGLFGFVILSLLLVPYYIIPAGSFSGNPRGTLEDALDAFCQVQQPLIAVALLGNISSIAFFNFAG
 ISVTKELSATTRMVLDSLRTVVIWALSLALGWAEAFHALQILGFLILLIGTALYNLHRPLLGRLSRGRPL
 AESESEQRLLGGTRTPINDAS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017877

ORF Size: 1113 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.

RefSeq: [NM_017877.4](#)

RefSeq Size: 3912 bp

RefSeq ORF: 1116 bp

Locus ID: 54978

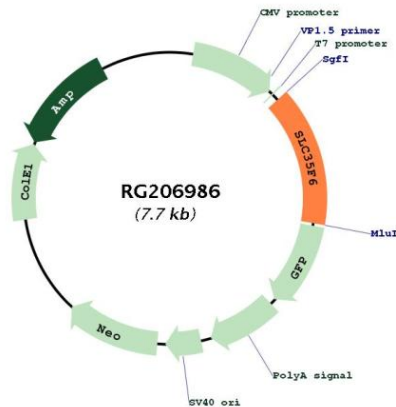
UniProt ID: [Q8N357](#)

Cytogenetics: 2p23.3

Protein Families: Transmembrane

Gene Summary: Involved in the maintenance of mitochondrial membrane potential in pancreatic ductal adenocarcinoma (PDAC) cells. Promotes pancreatic ductal adenocarcinoma (PDAC) cell growth. May play a role as a nucleotide-sugar transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206986