

Product datasheet for **RC205541**

SLC22A15 (NM_018420) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC22A15
Synonyms:	FLIPT1; PRO34686
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC205541 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCATCTACCAGATGTACTTGTGCTTCCTGCTGGCCGTGCTGCTGCAGCTCTACGTGGCCACGGAGG
 CCATCCTCATTGCACTGGTTGGGGCCACGCCATCTACCACTGGGACCTGGCAGAGCTCCTGCCAAATCA
 GAGCCACGGTAACCACTCAGCTGGTGAAGACCAGGCCTTTGGGGACTGGCTCCTGACAGCAACGGCAGT
 GAGATCCATAAGCACGTGCATTTACGACGAGCTTCACCTCCATCGCCTCGGAGTGGTTTTTAATTGCCA
 ACAGATCCTACAAAGTCAGTGCAGCAAGCTCTTTTTCTTCAGTGGTGTATTTGTTGGAGTTATCTCTTT
 TGGTCAGCTTTCAGATCGCTTCGGAAGGAAAAAGTCTATCTCACAGTTTTGCTCTTGACATCTTATTT
 GCAATTGCAAATGGATTTCCCTCATATGAGTTCTTTCAGTAACCTCGCTTCCTGGTGGGCATGATGA
 ATGGAGGGATGTCGCTGGTGGCCTTTGTCTGCTTAATGAGTGTGTGGGCACCGCCTACTGGCACTTGC
 AGGATCGATTGGCGGCCTCTTTCAGTGGCATTGCCAATATGCCCTGTTAGGATACTTCATCCGC
 TCCTGGAGGACCTAGCCATTCTGGTTAACCTGCAGGGAACGGTGGTCTTCTCTTATCTTTATTATTCTC
 CTGAATCACCTCGTTGGTTATACTCCCAGGGTCGACTGAGTGAGGCTGAAGAGGCGCTGTACCTCATTGC
 CAAGAGGAACCGCAAACTCAAGTGCACGTTCTCACTAACACACCCAGCCAAACAGGAGCTGCAGGGAGACT
 GGAAGTTTCCTGGATCTCTTTCGTTACCGGGTCCTGTTAGGACACACTTTGATCTGATGTTTCATCTGGT
 TTGTGTGCAGCTTGGTGTATTATGGCCTAACTCTGAGTGCGGGTGATCTAGGTGGAAGTATTTATGCCAA
 CCTGGCCCTGTCTGGCCTCATAGAGATTCAATCTTACCCTCTCTGTATCTACTTGATTAAACAAAATGG
 TTTGGTCGGAAGCGAACATTATCAGCATTCTGTGCCTAGGAGGACTGGCTTGTCTTATTGTAATGTTTC
 TTCCAGAAAAGAAAGACACAGGTGTGTTGCAGTGGTGAACAGCATTCTTGTCTTCTTGGGGAAGCT
 GACCATCAGTGTGCTTTAACATTGTTTATATCTACACCTCTGAGCTTTACCCTACAGTCATCAGGAAT
 GTTGGGCTTGAACCTGTTCCATGTTCTCCCGAGTTGGTGGGATTATTGCTCCCTTCATCCCTCACTGA
 AATATGTGCAATGGTCTTTACCATTGTTGCTTTCGGAGCCACGGGTCTGACCTCCGGCCTCCTGAGTTT
 GTTATTGCCGGAGACCTTAACAGTCCGCTGCTAGAAACATTCTCCGACCTTCAGGTGATTTCGTATCGC
 AGGCTGGGAGAAGAAGCATTATCTTTACAGGCTTTGGACCCCAACAGTGTGTGGACAAGGAGAGCTCTT
 TAGGGAGTGAGAGTGAGGAAGAGGAAGAATTTTATGATGCAGATGAAGAGACTCAGATGATCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205541 protein sequence
 Red=Cloning site Green=Tags(s)

MGIYQMYLCFLLAVLLQLYVATEAILIALVGATPSYHWDLAELLPNQSHGNQSAGEDQAFGDWLLTANGS
 EIHKHVHFSSSFTSIASEWFLIANRSYKVSAAASSFFFSGVFVGVISFGQLSDRFGRKKVYLTGFALDILF
 AIANGFSPSYEFFAVTRFLVGMMNGMSLVAFVLLNECVGTAYWALAGSIGGLFFAVGIAQYALLGYFIR
 SWRTLAILVNLQGTVVFLLSLFIPESPRWLYSQGRLSEAEALYLIAKNRNKLKCTFSLTHPANRSCRET
 GSFLDLFRYRVLLGHTLILMFIWFVCSLVYYGLTSLAGDLGGSIIYANLALSGLIEIQSYPLCIYLINQKW
 FGRKRTLSAFLCLGGLACLI VMFLPEKKTGVFAVNNSHLSLLGKLTISAAFNIVYIYTSELYPTVIRN
 VGLGTCMSFSRVGGIIAPFIPSLKYVQWSLPFIVFGATGLTSGLLSLLL PETLNSPLLETFSDLQVYSYR
 RLGEELSLQALDPQQCVDKESLGESEEEEEFYDADEETQMIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

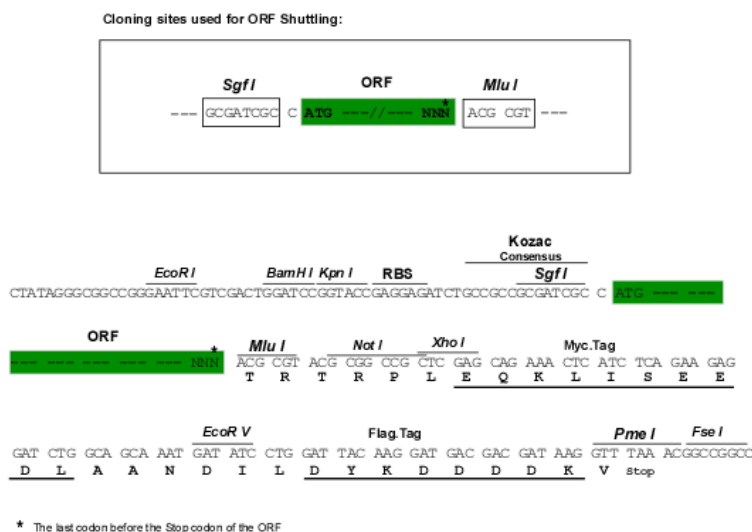
Chromatograms:

https://cdn.origene.com/chromatograms/mk6138_f03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_018420

ORF Size: 1605 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_018420.1](#), [NP_060890.1](#)

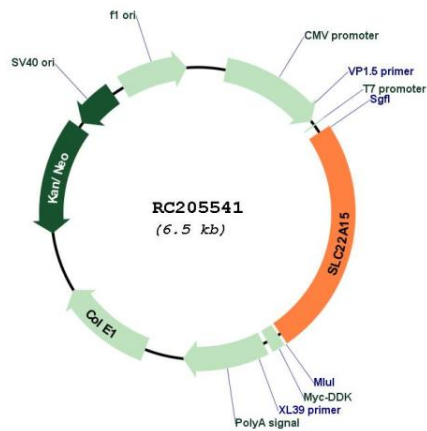
RefSeq Size: 4729 bp

RefSeq ORF: 1644 bp

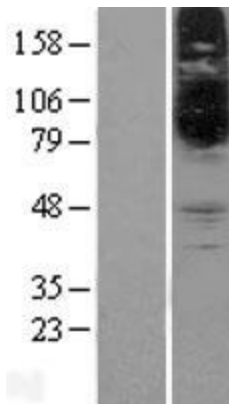
Locus ID: 55356

UniProt ID:	<u>Q8IZD6</u>
Cytogenetics:	1p13.1
Domains:	sugar_tr
Protein Families:	Transmembrane
MW:	59.3 kDa
Gene Summary:	Organic ion transporters, such as SLC22A15, transport various medically and physiologically important compounds, including pharmaceuticals, toxins, hormones, neurotransmitters, and cellular metabolites. These transporters are also referred to as amphiphilic solute facilitators (ASFs).[supplied by OMIM, Apr 2004]

Product images:



Circular map for RC205541



Western blot validation of overexpression lysate (Cat# [LY402683]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205541 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).