

Product datasheet for **RC226780**

SLC23A3 (NM_001144890) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SLC23A3
Synonyms:	E2BP3; SVCT3; YsplI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC226780 representing NM_001144890
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCCGATCACCCCTCAATCCCAGCCAACTCCGATCAGTGGGCTCCCAGGATGCCCTGGCCCCCTTGC
 CTCCACCTGCTCCCAGAATCCCTCCACCACTCTTGGGACCCTTTGTGTGGATCTCTGCCTTGGGCGCT
 CAGCTGTCTTCTGGCTCTGCAGCATGTCTTGGTCATGGCTTCTCTGCTCTGTGTCTCCACCTGCTCCTG
 CTTTGCAGTCTCTCCCAGGAGGACTCTTACTCCCTTCTCAGCTCTGGCCTCCAGCTTCTTTTCAT
 GTGGTATGTCTACCATCTGCAAACTTGGATGGCAGCAGGCTGCCTCTGTCCAGGCTCCATCCCTAGA
 GTTCCTTATCCCTGCTCTGGTCTGACCAAGCAGAAAGTACCCCGGCCATCCAGACACCTGCAAACTGT
 GAGCACAGAGCAAGGGCAAGGGCTCCCTCATGCTGCACCTTTGTAGGGGACCTAGCTGCCATGGCCTGG
 GGCACCTGGAACACTTCTCTCAGGAGGTGTCCGGGCGAGTGGTAGTATCTGGGCTGCTGCAGGGCATGAT
 GGGGCTGCTGGGAGTCCCGGCCACGTGTCCCCCACTGTGGGCCCTGGTGTGGCTCCACGCTGGTT
 GTGGCAGGGCTCTCTGCCACAGGGAGGTAGCCAGTTCTGCTTACACACTGGGGGTGGCCTTGTCTGG
 TTATCTGCTCATGGTGGTCTGTTCTCAGCACCTGGGCTCCTGCCAGTTTCATGTGTGCCCTGGAGGCG
 AGCTTCAACGTCACTCACTCCTCTCCCTGTCTTCCGGCTCCTTTCGGTGTGATCCAGTGGCC
 TGTGTGTGGATTGTTTCTGCTTTGTGGGATTAGTGTATCCCCAGGAAGTGTGCCCCACCAAGG
 CACCATGGATTGTGGCTGCTCACCAGGTGAGTGAATTGGCCTTTGCTGACGCCAGAGCTCTGGCTGC
 AGGCATCTCCATGGCCTTGGCAGCCTCCACAGTTCCTGGGCTGTATGCCCTGTGTGGCCGGCTGCTG
 CATTTGCCCTCCCCACCTCCACATGCTGCAGTCGAGGGCTGAGCCTGGAGGGGCTGGGAGTGTGCTGG
 CCGGGCTGCTGGGAAGCCCCATGGGCACTGCATCCAGTTCCTCCCAAGTGGGCAAGTGGGTCTTATCCA
 GGCTGGATCTCAGCAAGTGGCTCACTTAGTGGGGCTACTCTGCTGGGGCTTGGACTCTCCCCAGGTTG
 GCTCAGCTCCTCACCACCATCCCACTGCCTGTTGTTGGTGGGGTGTGGGGGTGACCCAGGCTGTGGTTT
 TGTCTGCTGGATTCTCAGCTTCTACCTGGCTGACATAGACTCTGGGCGAAATATCTTATTGTGGGCTT
 CTCCATCTTATGGCCTTGTGCTGCCAAGATGGTTTCGGGAAGCCCCAGTCTGTTTACGACAGGCTGG
 AGCCCCCTGGATGTATTACTGCACTCACTGCTGACACAGCCATCTTCTGGCTGGACTCTCAGGCTTCC
 TACTAGAGAACACGATTCTGGCACACAGCTTGAAGGAGGCTAGGTCAAGGGCTACCATCTCCTTTAC
 TGCCCAAGAGGCTCGAATGCCTCAGAAGCCAGGGAGAAGGCTGCTCAAGTGTACAGACTTCTTTCCCC
 ATCCAAACCTCTGTCCCTGCATCCCCAGCCTCTCCACTGCCTCTGCCCACTGCCTGAAGACCTGGGG
 ATGAGGAAGGAGGCTCCTCTGAGCCAGAAGAGATGGCAGACTTGTGCTGGCTCAGGGGAGCCATGCC
 TGAATCTAGCAGAGAAGGGTTTAGGTCCCAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226780 representing NM_001144890
 Red=Cloning site Green=Tags(s)

MSRSPNLNPSQLRSVGSQDALAPLPPAPQNPSTHSWDPLCGSLPWGLSCLLALQHVLMASLLCVSHLLL
 LCSLSPGGLSYSPSQLLASSFFSCGMSTILQTMGSRPLVQAPSLEFLIPALVLTSQLPRAIQTGNC
 EHRARARASLMLHLCRGPSCHGLGHWNLSLQEVSGAVVVSGLLQGMMLLGSFGHVPFHCPLVLAPSLV
 VAGLSAHREVAQFCFTHWGLALLVILLMVVCSQHLGSCQFHVCPWRRASTSSTHTPLPVFRLLSVLIPVA
 CVWIVSAFVGFVQIPQELSAPTKAPWIWLPHPGEWNWPLLTPRALAAGISMAAASSTSLGCYALCGRLL
 HLPPPPPHACSRGSLLEGLGSVLGALLGSPMGTAASSFPNVGKVGLIQAGSQQVAHLVGLLCVGLGLSPRL
 AQLLTTIPLPVVGVGLVGTQAVVLSAGFSSFYLAIDISGRNIFIVGFSIFMALLPRWFREAPVLFSTGW
 SPLDVLLHSLLTQPIFLAGLSGFLLENTIPGTQLERGLGQLPSPFTAQEARMPOKPREKAAQVYRLPFP
 IQNLCPICPQLHCLPLPEDPGDEEGSSPEEMADLLPGSGEPCPESSREGFRSQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8070_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001144890

ORF Size: 1854 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_001144890.2](#)

RefSeq ORF: 1857 bp

Locus ID: 151295

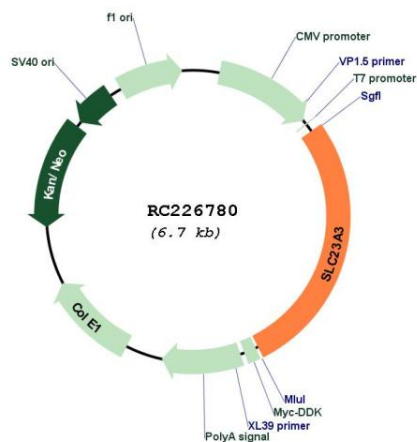
UniProt ID: [Q6PIS1](#)

Cytogenetics: 2q35

Protein Families: Transmembrane

MW: 65.3 kDa

Product images:



Circular map for RC226780