

Product datasheet for **RG226780**

SLC23A3 (NM_001144890) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC23A3
Synonyms:	E2BP3; SVCT3; YsplI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226780 representing NM_001144890
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCCGATCACCCCTCAATCCCAGCCAACTCCGATCAGTGGGCTCCCAGGATGCCCTGGCCCCCTTGC
 CTCCACCTGCTCCCAGAATCCCTCCACCACTCTTGGGACCCTTTGTGTGGATCTCTGCCTTGGGGCCT
 CAGCTGTCTTCTGGCTCTGCAGCATGTCTTGGTCATGGCTTCTCTGCTCTGTGTCTCCACCTGCTCCTG
 CTTTGCAGTCTCTCCCAGGAGGACTCTTACTCCCTTCTCAGCTCCTGGCCTCCAGTCTCTTTTCAT
 GTGGTATGTCTACCATCTGCAAACTTGGATGGCAGCAGGCTGCCTCTGTCCAGGCTCCATCCTTAGA
 GTTCCTTATCCCTGCTCTGGTCTGACAGCCAGAAGCTACCCGGGCCATCCAGACACCTGGAAACTGT
 GAGCACAGAGCAAGGGCAAGGGCCTCCCTCATGCTGCACCTTTGTAGGGGACCTAGCTGCCATGGCCTGG
 GGCACCTGGAACACTTCTCTCAGGAGGTGTCCGGGGCAGTGGTAGTATCTGGGCTGCTGCAGGGCATGAT
 GGGGCTGCTGGGAGTCCCGGCCACGTGTCCCCCACTGTGGGCCCTGGTCTGGCTCCACGCTGGTT
 GTGGCAGGGCTCTCTGCCACAGGGAGGTAGCCAGTTCTGCTTACACACTGGGGGTTGGCCTTGCTGG
 TTATCTGCTCATGGTGGTCTGTTCTCAGCACCTGGGCTCCTGCCAGTTTCATGTGTGCCCTGGAGGCG
 AGCTTCAACGTCATCAACTCACACTCCTCTCCCTGTCTTCCGGCTCCTTTCGGTGTGATCCAGTGGCC
 TGTGTGTGGATTGTTTCTGCCTTTGTGGGATTCACTGTTATCCCCAGGAAGTGTGCCCCACCAAGG
 CACCATGGATTGTGGCTGCCTCACCAGGTGAGTGGAAATTGGCCTTTGCTGACGCCCAGAGCTCTGGCTGC
 AGGCATCTCCATGGCCTTGGCAGCCTCCACAGTTCCTGGGCTGCTATGCCCTGTGTGGCCGGCTGCTG
 CATTTGCCCTCCCCACCTCCACATGCCTGCAGTCGAGGGCTGAGCCTGGAGGGGCTGGGCAGTGTGCTGG
 CCGGGCTGCTGGGAAGCCCCATGGGCACTGCATCCAGTTCCTCCCAAGTGGGCAAGTGGGTCTTATCCA
 GGCTGGATCTCAGCAAGTGGCTCACTTAGTGGGGCTACTCTGCGTGGGGCTTGGACTCTCCCCAGGTTG
 GCTCAGCTCCTCACCACCATCCCACTGCCTGTTGTTGGTGGGGTGTGGGGTGACCCAGGCTGTGGTTT
 TGTCTGCTGGATTCTCAGCTTCTACCTGGCTGACATAGACTCTGGGCGAAATATCTTCATTGTGGGCTT
 CTCCATCTTATGGCCTTGTGCTGCCAAGATGGTTTCGGGAAGCCCCAGTCTGTTTACGACAGGCTGG
 AGCCCCCTTGGATGTATTACTGCACTCACTGCTGACACAGCCATCTTCTGGCTGGACTCTCAGGCTTCC
 TACTAGAGAACACGATTCTGGCACACAGCTTGAAGGAGGCTAGGTCAAGGGCTACCATCTCCTTTTAC
 TGCCCAAGAGGCTCGAATGCCTCAGAAGCCAGGGAGAAGGCTGCTCAAGTGTACAGACTTCTTTTCCCC
 ATCCAAACCTCTGTCCCTGCATCCCCAGCCTCTCCACTGCCTCTGCCACTGCCTGAAGACCTGGGG
 ATGAGGAAGGAGGCTCCTCTGAGCCAGAAGAGATGGCAGACTTGTGCTGGCTCAGGGGAGCCATGCC
 TGAATCTAGCAGAGAAGGGTTTAGGTCCCAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226780 representing NM_001144890
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MSRSPNPSQLRSVGSQDALAPLPPAPQNPSTHSWDPLCGSLPWGLSCLLALQHVLMASLLCVSHLLL
 LCSLSPGGLSYSPSLLASSFFSCGMSTILQTMGSRPLVQAPSLEFLIPALVLTQKLPRAIQTGNC
 EHRARARASLMLHLCRGPSCHLGHWNSTLQEVSGAVVVSGLLQGMMLLGSPGHVFPHCGPLVLAPSLV
 VAGLSAHREVAQFCFTHWGLALLVILLMVVCSQHLGSCQFHVCPWRRASTSSTHTPLPVFRLLSVLIPVA
 CVWIVSAFVGFSVIPQELSAPTKAPWIWLPHPGEWNWPLLTPRALAAGISMALAASTSSLGCYALCGRLL
 HLPPPPHACSRGSLLEGLSVLAGLLGSPMGTAASSFPNVGKVGLIQAGSQQVAHLVGLLCVGLGLSPRL
 AQLLTTIPLPVVGGVLGVTQAVVLSAGFSSFYLAIDISGRNIFIVGFSIFMALLPRWFREAPVLFSTGW
 SPLDVLHSLLTQPIFLAGLSGFLLENTIPGTQLERGLGQGLPSPFTAQEARMQPKPREKAAQVYRPPF
 IQNLCPICIPQLHCLCLPEDPGDEEGSSPEEMADLLPGSGEPCPESSREGFRSQK

TRTRPLE - GFP Tag - V

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).

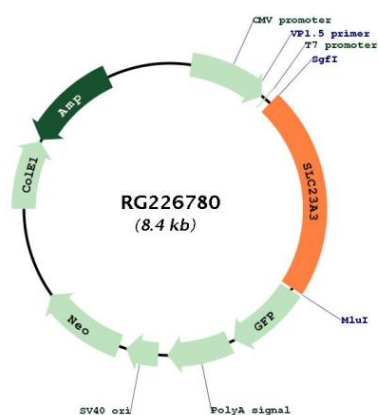
Reconstitution Method:

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 Size:	2418 bp
RefSeq ORF:	1857 bp
Locus ID:	151295
UniProt ID:	Q6PIS1
Cytogenetics:	2q35
Protein Families:	Transmembrane

Product images:


Circular map for RG226780