

Product datasheet for **RG207060**

SLC23A3 (NM_144712) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC23A3 (NM_144712) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC23A3
Synonyms:	E2BP3; SVCT3; Yspl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207060 representing NM_144712
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCCGATCACCCCTCAATCCCAGCCAACCTCCGATCAGTGGGCTCCCAGGATGCCTGGCCCCCTTGC
 CTCACCTGCTCCCAGAATCCCTCCACCCACTCTGGGACCCCTTGTGTGGATCTCTGCCTGGGGCCT
 CAGCTGTCTTCTGGCTCTGCAGCATGTCTTGGTCATGGCTTCTCTGCTCTGTGTCTCCACCTGCTCCTG
 CTTTGCAGTCTCTCCCAGGAGGACTCTTACTCCCCTTCTCAGCTCCTGGCCTCCAGTCTCTTTTCAT
 GTGGTATGTCTACCATCTGCAAACTTGGATGGGCAGCAGGCTGCCTCTTGTCCAGGCTCCATCCTTAGA
 GTTCCTTATCCCTGCTCTGGTCTGACCAGCCAGAAGCTACCCCGGGCCATCCAGACACCTGAAACTCC
 TCCCTCATGCTGCACCTTGTAGGGGACCTAGCTGCCATGGCCTGGGGCACTGGAACACTTCTCTCCAGG
 AGGTGTCCGGGCGAGTGGTAGTATCTGGGCTGCTGCAGGGCATGATGGGGCTGCTGGGGAGTCCCGGCCA
 CGTGTTCCTCCACTGTGGGCCCTGGTGTGGCTCCCAGCCTGGTGTGGCAGGGCTCTCTGCCACAGG
 GAGGTAGCCAGTCTGTCTCACACACTGGGGGTGGCCTTGCTCACCTGGGCTCCTGCCAGTTTTCATGT
 GTGCCCTGGAGGCGAGCTTCAACGTCACTCAACTCACACTCCTCTCCCTGTCTTCCGGCTCCTTTGCGAA
 CTGTCTGCCCCACCAAGGCACCATGGATTTGGCTGCCTCACCCAGGCTGGATCTCAGCAAGTGGCTCAC
 TTAGTGGGGTACTCTGCGTGGGGCTTGGACTCTCCCCAGGTTGGCTCAGCTCCTCACCACCATCCCAC
 TGCCTGTTGTTGGTGGGGTGTGGGGGTGACCCAGGCTGTGGTTTTGTCTGCTGGATTCTCCAGTCTTA
 CCTGGCTGACATAGACTCTGGGGGAAATATCTTATTGTGGGCTTCTCCATCTTCATGGCCTTGTGCTG
 CCAAGATGGTTTTCGGAAGCCCCAGTCTGTTCAGCACAGGCTGGAGCCCCTTGGATGTATTACTGCACT
 CACTGTGACACAGCCCATCTTCTGGCTGGACTCTCAGGCTTCTACTGGAGAACACGATTCTCTGCAC
 ACAGCTTGAGCGAGGCCTAGGTCAAGGGCTACCATCTCCTTTCACTGCCCAAGAGGCTCGAATGCCTCAG
 AAGCCCAGGGAGAAGGCTCAAGTGTACAGACTTCTTTCCCCATCCAAAACCTCTGTCCCTGCATCCCCC
 AGCCTCTCCACTGCCTCTGCCACTGCCTGAAGACCCTGGGGATGAGGAAGGAGGCTCCTCTGAGCCAGA
 AGAGATGGCAGACTTGTGCCTGGCTCAGGGGAGCCATGCCTGAATCTAGCAGAGAAGGGTTTAGGTCC
 CAGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207060 representing NM_144712
 Red=Cloning site Green=Tags(s)

MSRSPLNPSQLRSVGSQDALAPLPPAPQNPSTHSDPLCGSLPWGLSCLLALQHVLMASLLCVSHLLL
 LCLS LSPGGLSYSPS QLLASSFFSCGMSTILQTMGSRPLVQAPSLEFLIPALVLT SQLPRAIQT PGNS
 SLMLHL CRGPSCHGLGHWNTSLQEYSGAVVVSGLLQGMMLL GSPGHVFP HCGPLVLAPSLV VAGLSAHR
 EVAQFCF THWGLALLTWAPASFMCAPGGELQRHQLTLLSLSSGSFRNCLPPRHHGFGLTQAGSQVAH
 LVGLLCVGLGLSPRLAQLLTTIPLPVVGGVLGVTQAVVLSAGFSSFYLAIDISGRNIFIVGFSIFMALLL
 PRWFREAPVLFSTGWSPLDVLLHSLLTQPIFLAGLSGFLENTIPGTQLERGLGQGLPSPFTAQEARMPQ
 KPREAKVYRLPFPIQNLCPICPQLHCLCPLPEDPGDEEGSSEPEEMADLLPGSGEPCPESSREGFRS
 QK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144712

ORF Size: 1476 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_144712.2](#), [NP_653313.2](#)

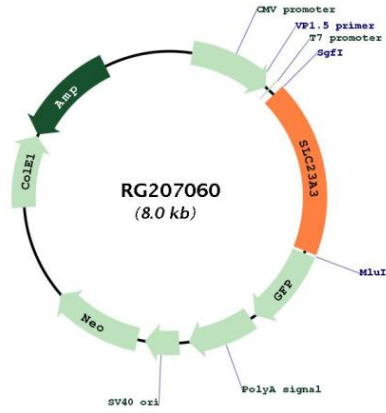
RefSeq Size: 2012 bp

RefSeq ORF: 1482 bp

Locus ID: 151295

UniProt ID: [Q6PIS1](#)
 Cytogenetics: 2q35
 Protein Families: Transmembrane

Product images:



Circular map for RG207060