

Product datasheet for **RG205310**

SLC30A3 (NM_003459) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC30A3 (NM_003459) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC30A3
Synonyms:	ZNT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205310 representing NM_003459 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCCTCTCCAGCCGCTGGGGCTTGAGACCACTCGCCTGGTGAGCCCCGGGACCGGGTGGCG
 CCGGAGGCAGCCTGCGTTTGAAGAGTCTCTTACAGAGCCCTCAGAGCCCTCCCTGAGGAGTCCAAACC
 TGTGGAGATGCCCTTCCACCACTGCCACAGGGACCCCTTCCGCCCGGGCCTTACCCCTGAGAGGCTG
 CATGCACGGAGGCAGCTATATGCTGCCTGTGCCGTTTGTCTTTCATGGCTGGGAGGTGGTCGGCG
 GGTATCTGGCACACAGCCTGGCCATCATGACCGATGCAGCCCACTTGCTGGCGGATGTGGGCAGCATGAT
 GGGCAGCCTCTTCTCCCTCTGGCTCTCCACCCGTCCAGCCACCCGACCATGACCTTTGGCTGGCACCGT
 TCAGAGACTCTGGGGGCTTTGGCCTCTGTGGTCTCCCTCTGGATGGTCACTGGCATCCTCTGTACCTGG
 CCTTCTGTCGCGCTGCTGCACAGCGACTACCACATCGAGGGGGGTGCCATGCTGCTGACCGCCAGCATCGC
 AGTCTGTGCCAACCTGTTAATGGCCTTTGTGCTGCACAGGCTGGGCCCCCACAGCCACGGGTCTAGG
 GGAGCAGAGTATGCACCGCTGGAGGAGGGCCTGAAGAGCCCTGCCCTGGGGAACACAGCGTCCGGG
 CGGCATTTGTGCACGTGCTGGGGACCTCCTGCAGAGCTTTGGGGTACTGGCTGCCTCCATCCTCATCTA
 CTTCAAGCCTCAATACAAGGCAGCCGACCCATCAGCACCTTCTCTTCTCCATCTGTGCCCTTGGATCC
 ACCGCTCCCACCCTCCGAGACGTTCTTGAATCCTCATGGAAGGTACCCCGCAATGTGGGTTTGAAC
 CTGTGCGGGATACGCTGTTGTGCGTGCCAGGAGTCCGGGCAACCATGAGCTGCACCTGTGGGCCCTTAC
 GCTCACTTACCATGTTGCCTCTGCACACCTGGCCATCGACTCCACCGCTGACCTGAAGCCGCTCCTGGCT
 GAAGCCTCATCCCGGCTCTACTCCCGTTTGGATTCTCCAGCTGCACCCTGCAGGTGAGCAGTATCAGC
 CGGAGATGGCCAGTGCCTGCGCTGCCAGGAACCCCCCAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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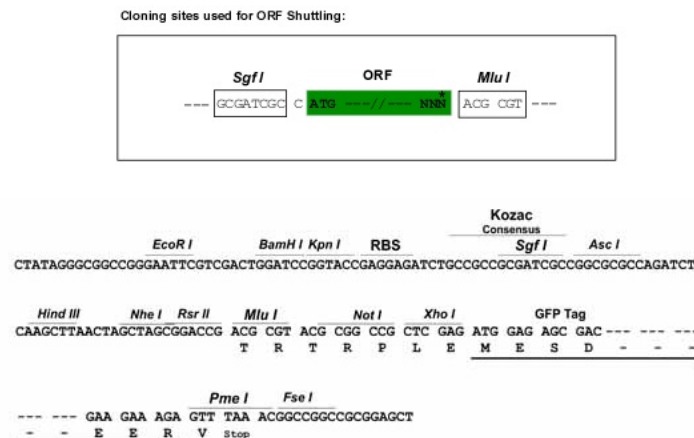
Protein Sequence: >RG205310 representing NM_003459
 Red=Cloning site Green=Tags(s)

MEPSPAAGGLETTTLVSPDRGGAGGSLRLKSLFTEPSEPLPEESKPVEMPFHHCHRDPLPPPGLTPERL
 HARRQLYAACAVCFVFMAGEVVGGLAHLAHTDAHLLADVGSMGSLFSLWLSTRPATRTMTFGWHR
 SETLGALASVSLWMVTGILLYLAFVRLHSDYHIEGGAMLLTASIAVCANLLMAFVLHQAGPPHSHGSR
 GAEYAPLEEGPEEPLPLGNTSVRAAFVHVLGDLQSFGLAASILYFKPQYKAADPISTFLFSICALGS
 TAPTLRDVLRILMEGTPRNVGFEPVRDTLLSVPGVRATHELHLWALTLYHVASAHLAIDSTADPEAVLA
 EASSRLYSRFGFSSCTLQVEQYQPEMAQCLRCQEPQQA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003459

ORF Size: 1164 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_003459.5](#)

RefSeq Size: 2108 bp

RefSeq ORF: 1167 bp

Locus ID: 7781

UniProt ID: [Q99726](#)

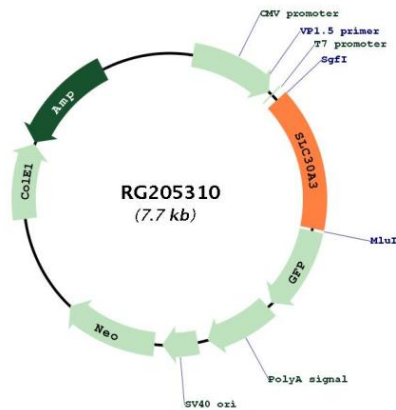
Cytogenetics: 2p23.3

Domains: Cation_efflux

Protein Families: Secreted Protein, Transmembrane

Gene Summary: Involved in accumulation of zinc in synaptic vesicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205310