

Product datasheet for **RG214087**

SLC10A3 (NM_019848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC10A3
Synonyms:	DXS253E; P3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214087 representing NM_019848
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGTTAATGCAGGACAAGGGCAGCTCTCAGCAGTGGCCTGGTCTGGGGGCGAGGGTGGTGGCACAG
 GTCCCTTAAGCATGCTCAGAGCTGCCCTGCTGCTCATCAGCCTGCCATGGGGGGCCCAAGGGACAGCCAG
 CACCAGCCTCAGCACTGCTGGGGGTACACCGTGCCACCGACTGGGGGGCGCTACTTGAGCATTGGAGAT
 GGCTCTGTGATGGAGTTTGAAGTTTCTGAGGACAGTGAAGGCATCATCGTGATCTCCAGCCAGTACCCAG
 GCCAGGCCAACAGGACGGCGCCTGGCCCCATGCTCAGGGTCACTCCCTGGACACAGAGGTGCTGACCAT
 CAAGAACGTGAGTGCTATAACCTGGGGAGGCGGGGTGGCTTTGTGGTGAGCATCCACTCAGGCCTGGCT
 GGGCTGGCCCCACTCCACATCCAGCTCGTGGACGCCCATGAGGCCCGCCACACTGATTGAGGAGCGGA
 GAGACTTCTGCATCAAGGTCTCACCTGCTGAAGACACGCTGCCACCTCAGCGCCGACCTGGCCCACTT
 CTCGAAAAACCAATCCTCTACCTGCTCCTGCCTTTATCTTTGTCAACAAGTGTTCGTTTGGTGCAAA
 GTGGAACCTCAGAGTTCTGAAGGGGCTCATGCAGAGCCCCAGCCCATGCTGCTGGGCTCCTGGGCCAGT
 TTCTGGTCATGCCCTTGTACGCTTTCCTCATGGCCAAGGTCTTCATGCTGCCCAAGGCCCTGGCTCTGGG
 CCTCATCATCACCTGCTCGTCGCCCTGGCGCGGGGGAGCTACCTCTTCAGCCTCCTTCTGGAGGGGAC
 GTCACCCTGGCCATCTCCATGACTTTCCTCTACGGTGGCTGCCACTGGCTTCTTGCTCTGTCTTCGG
 CCATCTACAGCCGCTGCTCAGCATCCATGAGACGCTCCAGTGCCCATCTCCAAGATCCTGGGGACCT
 GCTGTTCAATGCCATCCCCATAGCCGTGGCGTGCTGATCAAGTCCAAGCTCCCAAGTTCTCCAGCTG
 CTGCTGCAGGTCTCAAGCCCTTCAGCTTTGTGCTCCTCTGGCGGCCCTTCTTGCCCTATCGCATGG
 GGGTCTTCATCTGGCAGGCATCCGGCTACCCATCGTACTGGTGGGTATCAGGTGCCCTGGTTGGCT
 GTTGTGGGGTACTGCCTAGCCACGTGTCTGAAGCTGCCAGTGGCCCAGCGGCGGACGGTCAAGATTGAG
 GTAGGGGTGCAGAACAGCCTGCTGGCCTTGCCATGCTGCAGCTATCCCTCCGCGCCTTCAAGTGACT
 ATGCCTCCAGGCCCTTTCATTGTGGCGCTGAGCGGCACCTCCGAGATGCTGGCCTTGGTCATTGGCCA
 CTCATCTACAGCAGCTGTTCCAGTTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214087 representing NM_019848
 Red=Cloning site Green=Tags(s)

MVLMQDKGSSQWPGLGGEGGTGPLSMLRAALLLISLPWGAQGTASTSLSTAGGHTVPPTGGRYLSIGD
 GSVMEFEFPEDSEGIIVISSQYPGQANRTAPGPMLRVTSLDTEVLTIKNVSAITWGGGGGFVVSIIHSLA
 GLAPLHIQLVDAHEAPPTLIEERRDFCIKVSPAEDTPATLSADLAHFSENPILYLLLPLIFVNKCSFGCK
 VELEVLKGLMQSPQPMLLGLLGQFLVMPLYAFLMAKVFMPLKALALGLIITCSPGGGGSYLFSLLLGGD
 VTLAISMTFLSTVAATGFLPLSSAIYSRLLSIHETLHVPIISKILGTLFFIAIPIAVGVLIKSKLPKFSQL
 LLQVVKPFSFVLLLGGLFLAYRMGVFILAGIRLPVLVGITVPLVGLLVGYCLATCLKLPVAQRRTVSIE
 VGVQNSLLALAMLQLSLRRLQADYASQAPFIVALSGTSEMLALVIGHFIYSSLPFVP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_019848

ORF Size: 1431 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.

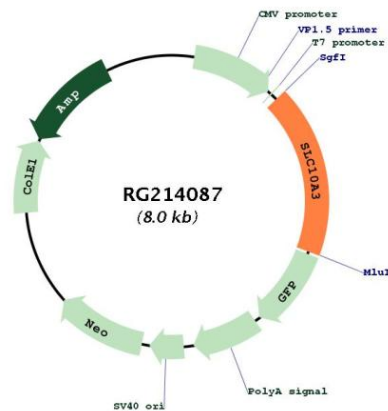
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_019848.5](#)

RefSeq Size:	2123 bp
RefSeq ORF:	1434 bp
Locus ID:	8273
UniProt ID:	P09131
Cytogenetics:	Xq28
Domains:	SBF
Protein Families:	Druggable Genome, Transmembrane

Gene Summary: This gene maps to a GC-rich region of the X chromosome and was identified by its proximity to a CpG island. It is thought to be a housekeeping gene. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Dec 2008]

Product images:



Circular map for RG214087