

Product datasheet for **RC214087**

SLC10A3 (NM_019848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC10A3 (NM_019848) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC10A3
Synonyms:	DXS253E; P3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC214087 representing NM_019848
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGTGTTAATGCAGGACAAGGGCAGCTCTCAGCAGTGGCCTGGTCTGGGGGCGAGGGTGGTGGCACAG
 GTCCCTTAAGCATGCTCAGAGCTGCCCTGCTGCTCATCAGCCTGCCATGGGGGGCCCAAGGGACAGCCAG
 CACCAGCCTCAGCACTGCTGGGGGTACACCGTGCCACCGACTGGGGGCCGCTACTTGAGCATTGGAGAT
 GGCTCTGTGATGGAGTTTGAGTTTCCTGAGGACAGTGAAGGCATCATCGTGATCTCCAGCCAGTACCCAG
 GCCAGGCCAACAGGACGGCGCCTGGCCCCATGCTCAGGGTCACTCCCTGGACACAGAGGTGCTGACCAT
 CAAGAACGTGAGTGCTATAACCTGGGGAGGCGGGGTGGCTTTGTGGTGAAGCATCCACTCAGGCCTGGCT
 GGGCTGGCCCCACTCCACATCCAGCTCGTGACGCCCATGAGGCCCGCCACACTGATTGAGGAGCGGA
 GAGACTTCTGCATCAAGGTCTCACCTGCTGAAGACACGCCCTGCCACCCTCAGCGCCGACCTGGCCCACTT
 CTCGGAACCAATCCTCTACCTGCTCCTGCCTTTATCTTTGTCAACAAGTGTTCGTTGGGTGCAAA
 GTGGAACTCGAGGTTCTGAAGGGGCTCATGCAGAGCCCCAGCCCATGCTGCTGGGCCTCCTGGGCCAGT
 TTCTGGTCATGCCCTTGACGCTTTCCTCATGGCCAAGTCTTCATGCTGCCCAAGGCCCTGGCTCTGGG
 CCTCATCATCACCTGCTCGCTCGCCTGGCGGCGGGGGAGCTACCTCTTACGCCTCCTTCTTGAGGGGAC
 GTCACCCTGGCCATCTCCATGACTTTCCTCTACGGTGGCTGCCACTGGCTTCTTGCTCTGTCTTCGG
 CCATCTACAGCCGCTGCTCAGCATCCATGAGACGCTCCACGTGCCATCTCCAAGATCCTGGGGACCT
 GCTGTTTATTGCCATCCCATAGCCGTGGCGTGTCTGATCAAGTCCAAGTCCCCAAGTTCTCCAGCTG
 CTGCTGCAGGTCGTCAAGCCCTCAGCTTTGTGCTCCTCCTGGCGGCCCTTCTGCTGATCGCATGG
 GGGTCTTCATCCTGGCAGGCATCCGGCTACCCATCGTACTGGTGGTATCACGGTGCCCTGGTTGGCTG
 GTTGGTGGGCTACTGCTAGCCACGTGTCTGAAGCTGCCAGTGGCCAGCGGCGGACGGTCAGCATTGAG
 GTAGGGGTGCAGAACAGCCTGCTGGCCTTGCCATGCTGCAGCTATCCCTCCGCCCTTCAAGCTGACT
 ATGCCTCCAGGCCCCCTTATTGTGGCGCTGAGCGGCACCTCCGAGATGCTGGCCTTGGTCATTGGCCA
 CTTTCATCTACAGCAGCCTGTTCCAGTTCCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214087 representing NM_019848
 Red=Cloning site Green=Tags(s)

MVLMQDKGSSQWPGLGGEGGGTGPLSMLRAALLLISLPWGAQGTASTSLSTAGGHTVPPTGGRYLSIGD
 GSVMFEFEPEDSEGIIVISSQYPGQANRTAPGPMLRVTSLDTEVLTIKNVSATWGGGGGFVVSIIHSLA
 GLAPLHIQLVDAHEAPPTLIEERRDFCIKVSPEADTPATLSADLAHFSNPILYLLPLIFVNKCSFGCK
 VELEVLKGLMQSPQPMMLLGLLQFLVMPLYAFMLMAKVFMLPKALALGLIITCSSPGGGGSYLFSLLLGGD
 VTLAISMTFLSTVAATGFLPLSSAIYSRLLSIHETLHVPIISKILGTLFIAPIAVGVLIKSLPKFSQL
 LLQVVKPFSFVLLLGGLFLAYRMGVFILAGIRLPVIVGIVPLVGLLVGYCLATCLKLPVAQRRTVSIE
 VGVQNSLLALAMLQLSLRRLQADYASQAPFIVALSGTSEMLALVIGHFIYSSLPVP

TRTRPLE**QKLI**SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1147_b06.zip

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](#)

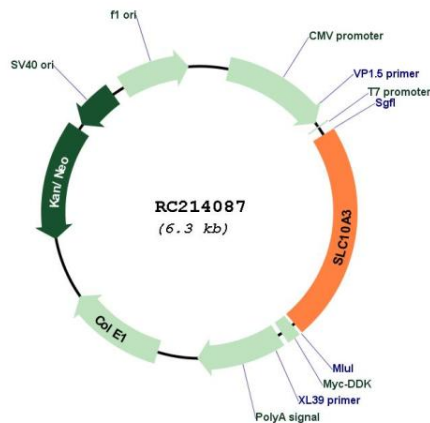
RefSeq Size: 2123 bp

RefSeq ORF: 1434 bp

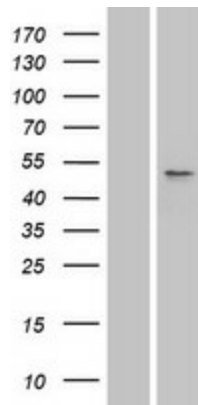
Locus ID: 8273

UniProt ID:	P09131
Cytogenetics:	Xq28
Domains:	SBF
Protein Families:	Druggable Genome, Transmembrane
MW:	50.2 kDa
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 RC214087



Western blot validation of overexpression lysate (Cat# [LY412716]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214087 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).