

Product datasheet for RC237680

SLC26A7 (NM_001282357) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A7 (NM_001282357) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC26A7
Synonyms:	SUT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237680 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATCCTCTCTGCGGTGATCACTGAAGCTTTCGGAGTGGCACTTGTAGGCTATGTGGCCTCACTGG
CTCTTGCTCAAGGATCTGCCAAAAAATTCAAATATTCAATTGATGACAACCAGGAATTTTGGCCCATGG
CCTCAGCAATATAGTTTCTTCATTTTTCTTCTGCATACCAAGTGTGCTGCCATGGGAAGGACGGCTGGC
CTGTACAGCACAGGAGCGAAGACACAGGTGGCTTGTCTAATATCTGCATTTTCGTCCTTATAGTCATCT
ATGCAATAGGACCTTTGCTTTACTGGCTGCCCATGTGTGCTTGAAGCATTATTGTTGTGGGACTGAA
GGGAATGCTAATACAGTTCGAGATTTAAAAAATATTGGAATGTGGATAAAATCGATTGGGAATATGG
GTCAGTACATATGATTTACAATATGCTTTGCTGCCAATGTGGGACTGCTGTTTGGTGTGTTTGTACCA
TAGCTATAGTGATAGGACGCTTCCCAAGAGCAATGACTGTAAGTATAAAAAATAGAAAGAAATGGAATT
TAAAGTGAAGACAGAAATGGACAGTGAACCCCTGCAGCAGGTGAAAATTATCTCAATAACAACCCGCTT
GTTTTCTGAATGCAAAAAAATTTATACTGATTTAATGAACATGATCCAAAAGGAAAATGCCTGTAATC
AGCCACTTGATGATATCAGCAAGTGTGAACAAAACACATTGCTTAATCCCTATCCAATGGCAACTGCAA
TGAAGAAGCTTCACAGTCTGCCTAATGAGAAGTGTTATTTAATCCTGGATTGCAGTGGATTTACCTTT
TTTGACTATTCTGGAGTCTCCATGCTTGTGAGGTTTACATGGACTGTAAGGCAGGAGTGTGGATGTAT
TGTTAGCCATTGTACAGTTCCTTGATAAAGCAATGACGTATTATGGAACCTAGACTCAGAGAAACC
AATTTTTTTTTGAATCGGTATCTGCTGCAATAAGTCATATCCATTCAAATAAGAATTTGAGCAAACCTCAGT
GACCACAGTGAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237680 protein sequence
 Red=Cloning site Green=Tags(s)

MNILSAVITEAFGVALVGYVASLALAQGSAKFKYISIDNQEFLAHGLSNIVSSFFFCIPSAAMGRTAG
 LYSTGAKTQVACLISCFVLIVIYAIGPLLYWLPVCVLAIIIVGLKGM LIQFRDLKKYWNVDKIDWGIW
 VSTYVFTICFAANVGLLFGVVCTIAIVIGRFPAMTVSIKMKEMEFKVKTEMDSETLQQVKIISINPL
 VFLNAKKFYTDLMNMIQKENACNQPLDDISKCEQNTLLNSLSNGNCNEEASQSCPNEKCYLILDCSGFTF
 FDYSGVSMLEVEYMDCKGRSVDVLLAHCTASLIKAMTYYGNDSEKPIFFESVSAASHIHSNKNLSKLS
 DHSEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001282357

ORF Size: 1065 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.

RefSeq: [NM_001282357.2](#)

RefSeq Size: 5172 bp

RefSeq ORF: 1068 bp

Locus ID: 115111

UniProt ID: [Q8TE54](#)

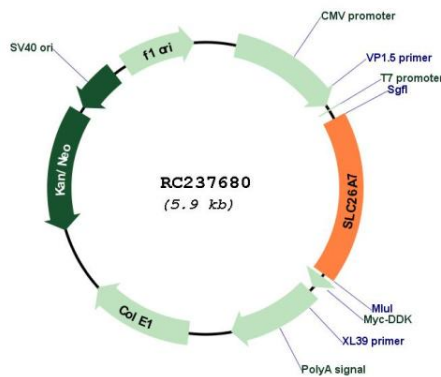
Cytogenetics: 8q21.3

Protein Families: Transmembrane

MW: 39.2 kDa

Gene Summary: This gene is one member of a family of sulfate/anion transporter genes. Family members are well conserved in gene structure and protein length yet have markedly different tissue expression patterns. This gene has abundant and specific expression in the kidney. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC237680