

Product datasheet for **RG237680**

SLC26A7 (NM_001282357) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SLC26A7 (NM_001282357) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | SLC26A7 |
| Synonyms: | SUT2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG237680 representing NM_001282357. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACATCCTCTCTGCGGTGATCACTGAAGCTTTCGGAGTGGCACTTGTAGGCTATGTGGCCTCACTG
GCTCTTGCTCAAGGATCTGCCAAAAATCAAATATTCAATTGATGACAACCAGGAATTTTGGCCCAT
GGCCTCAGCAATATAGTTTCTTCATTTTCTTCTGCATACCAAGTGTGCTGCCATGGGAAGGACGGCT
GGCCTGTACAGCACAGGAGCGAAGACACAGGTGGCTTGCTAATATCTTGCAATTTTCGTCCTTATAGTC
ATCTATGCAATAGGACCTTTGCTTACTGGCTGCCCATGTGTGTCCTTGAAGCATTATTGTTGTGGGA
CTGAAGGGAATGCTAATACAGTTCGAGATTTAAAAAATATTGGAATGTGGATAAAATCGATTGGGGA
ATATGGGTCAGTACATATGTATTTACAATATGCTTTGCTGCCAATGTGGGACTGCTGTTTGGTGTGTT
TGTACCATAGCTATAGTATAGGACGCTTCCCAAGAGCAATGACTGTAAGTATAAAAAATATGAAAGAA
ATGGAATTTAAAGTGAAGACAGAAATGGACAGTGAACCCCTGCAGCAGGTGAAAATTATCTCAATAAAC
AACCCGCTTGTTCCTGAATGCAAAAAATTTTACTGATTTAATGAACATGATCCAAAAGGAAAAAT
GCCTGTAATCAGCCACTTGATGATACAGCAAGTGTGAACAAAACACATTGCTTAATCCCTATCCAAT
GGCAACTGCAATGAAGAAGCTTCACAGTCTGCCCTAATGAGAAGTGTATTTAATCCTGGATTGCAGT
GGATTTACCTTTTTGACTATTCTGGAGTCTCCATGCTTGTGAGGTTTACATGGACTGTAAGGCGAG
AGTGTGGATGTATTGTTAGCCATTGTACAGTTCCTTGATAAAAAGCAATGACGATTATGAAAACCTA
GACTCAGAGAAAACCAATTTTTTTGAATCGGTATCTGCTGCAATAAGTCATATCCATTCAAATAAGAAAT
TTGAGCAAACCTCAGTGACCACAGTGAAGTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237680
 Blue=ORF Red=Cloning site Green=Tag(s)

MNILSAVITEAFGVALVGYVASLALAQGSAKKFKYSIDNQEFLAHGLSNIVSSFFFCIPSAAMGRTA
 GLYSTGAKTQVAQLISCFVLIVIIYAIGPLLYWLPVCVLAIIIVVGLKGLMIQFRDLKKYWNVDKIDWG
 IWVSTYVFTICFAANVGLLFGVCTIAIVIGRFRPRAMTVSIKMKEMEFKVKTEMDSETLQQVKIISIN
 NPLVFLNAKKFYTDLNMNIQKENACNQPLDDISKCEQNTLLNSLSNGNCNEEASQSCPNEKCYLILDSCS
 GFTTFDYSGVSMLEVEYMDCKGRSVDVLLAHCTASLIKAMTYYGNDSEKPIFFESVSAATSHIHSNKN
 LSKLSDHSEV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

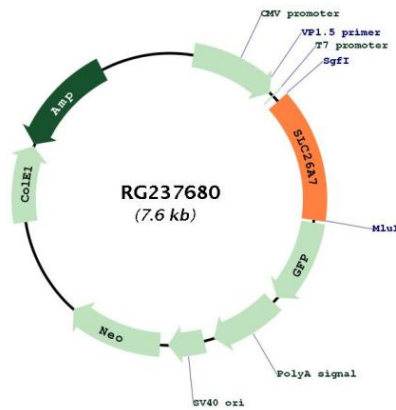
RefSeq: [NM_001282357.2](#)

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 RG237680