

Product datasheet for **RG219025**

SLC26A7 (NM_134266) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC26A7
Synonyms:	SUT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG219025 representing NM_134266
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACAGGAGCAAGAGGAAAAAGAAAGCATGCTTTGGAGCAAGATGCATACCCCCAGTGTGAAGACA
 TTATACAGTGGTGTAGAAGGCGACTGCCATTTTGGATTGGGCACCACATTACAATCTGAAAGAAAACCTT
 GCTTCCAGACACTGTGCTGGGATAATGTTGGCAGTTCACACAGGTGACCAAGGATTGGCCTTTGCTGTT
 CTCTCATCTGTGCCACCCAGTGTGTTGGTTTATATGGGTCTCTGTTTCCTGCCATAATTTATGCCATATTTG
 GAATGGGACATCATGTTGCCACAGGCACCTTTGCCTTGACATCCTTAATATCAGCCAACGCCGTGGAACG
 GATTGTCCCTCAGAACATGCAGAATCTCACACACAGAGTAACACAAGCGTGTGGGCTTATCCGACTTT
 GAAATGCAAAGGATCCACGTTGCTGCAGCAGTTTCTTCTTGGGAGGTGTGATTGAGGTGGCCATGTTTG
 TGCTGCAACTGGGAGTGCCACATTTGTTGGTGCAGAGCCTGTGATCAGCGCAATGACAACTGGGGCTGC
 CACCCATGTGGTGACTTACAAGTCAAATATCTTGGGAATGAAAATGCCATATATATCCGGACCACTT
 GGATCTTTTATATTTATGCATATGTTTTGAAAACATCAAGTCTGTGCGACTGGAAGCATTGCTTTTAT
 CTTGCTGAGCATTGTGGTCTTGTCTTGTAAAGAGCTGAATGAACAGTTTAAAAGGAAAATTAAGT
 TGTTCTTCTGTAGATTAGTTTGTATTGCTGCATCATTTGCTTGTATTGCACCAATATGAAAAC
 ACATATGGATTAGAAGTAGTTGGTCATATCCACAAGGAATCCCTCACCTAGAGCTCCCCGATGAACA
 TCCTCTCTGCGGTGATCACTGAAGCTTTCGGAGTGGCACTTGTAGGCTATGTGGCCTCACTGGCTCTTG
 TCAAGGATCTGCCAAAAAATCAAATATTCAATTGATGACAACCAGGAATTTTGGCCCATGGCCTCAGC
 AATATAGTTTCTTCATTTTCTTCTGCATACCAAGTGTGCTGCCATGGGAAGGACGGCTGGCCTGTACA
 GCACAGGAGCGAAGACACAGGTGGCTGTCTAATATCTGCATTTTCGCTCTATAGTCATCTATGCAAT
 AGGACCTTTGCTTTACTGGCTGCCCATGTGTGCTTGAAGCATTATTGTTGTGGGACTGAAGGGAATG
 CTAATACAGTTCGAGATTTAAAAAATATTGGAATGTGGATAAAATCGATTGGGGAATATGGGTGAGTA
 CATATGATTTACAATATGCTTTGCTGCCAATGTGGGACTGCTGTTTGGTGTGTTGTACCATAGCTAT
 AGTGATAGGACGCTTCCAAGAGCAATGACTGTAAGTATAAAAAATATGAAAGAAATGGAATTTAAAGTG
 AAGACAGAAATGGACAGTGAAACCTGCGACAGGTGAAAATTATCTCAATAAACCAACCCGCTTGTTTTCC
 TGAATGCAAAAAAATTTTATACTGATTTAATGAACATGATCCAAAAGGAAAATGCCTGTAATCAGCCACT
 TGATGATATCAGCAAGTGTGAACAAACACATTGCTTAATCCCTATCCAATGGCAACTGCAATGAAGAA
 GCTTCACAGTCTGCCCTAATGAGAAGTGTATTAACTCCTGGATTGCAGTGGATTTACCTTTTGTGACT
 ATTCTGGAGTCTCATGCTTGTGAGGTTTACATGGACTGTAAAGGCAGGAGTGTGGATGTATTGTTAGC
 CCATTGTACAGTTCCTTGATAAAAGCAATGACGTATTATGAAACCTAGACTCAGAGAAACCAATTTT
 TTTGAATCGGTATCTGCTGCAATAAGTCATATCCATTCAAATAAGGCCAGTTATAAACTGTTGTTGATA
 ACTTGGATCTTCCAACAATGCCACCGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219025 representing NM_134266
 Red=Cloning site Green=Tags(s)

MTGAKRKKKSMWSKMHTPQCEDIQWCRRLPILDWAPHYNLKENLLPDTVSGIMLAVQQVTQGLAFAY
 LSSVHPVFGLYGSFLPAIIYAIFGMGHVATGTFALTSLSANAVRIVPQNMQLTTQSNSTSVLGLSDF
 EMQRIHVAAAVSFLGGVIQVAMFVLQLGSATFVVTEPVISAMTTGAATHVVTSSQVKYLLGMKMPYISGPL
 GFFYIYAYVFENIKSVRLEALLSLSIVVLVLVKELNEQFKRKIKVVLVVDLVLIIAASFACYCTNMEN
 TYGLEVVGHIPQGISPRAPPMNILSAVITEAFGVALVGYVASLALAQGSAKKFKYSIDDNQEFLLAHGLS
 NIVSSFFFCIPSAAAMGRTAGLYSTGAKTQVACLISCFVLIVIIYAIGPLLWYLMPCVLASIIIVGLKGM
 LIQFRDLKKYWNVDKIDWGIWVSTYVFTICFAANVGLLFGVVCTIAIVIGRFPAMTVSIKMKEMEFKV
 KTEMDSSETLQQVKIISINNPLVFLNAKKFYTDLMNMIQKENACNQPLDDISKCEQNTLLNSLSNGNCNEE
 ASQSCPNEKCYLILDCSGFTFFDYSVSMLEVEYMDCKGRSVDVLLAHCTASLIKAMTYYGNDSEKPIF
 FESVSAASHIHSNKASYKLLFDNLDLPTMPPL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_134266

ORF Size: 1989 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.

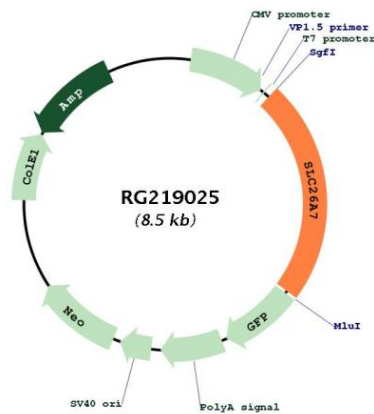
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_134266.2](#)

RefSeq Size: 2677 bp

RefSeq ORF:	1992 bp
Locus ID:	115111
UniProt ID:	Q8TE54
Cytogenetics:	8q21.3
Protein Families:	Transmembrane
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 RG219025