

Product datasheet for **RG213697**

SLC10A7 (NM_001029998) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC10A7 (NM_001029998) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC10A7
Synonyms:	C4orf13; P7; SSASKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213697 representing NM_001029998 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GGCGCGCC**

ATGAGGCTGCTGGAGAGAATGAGGAAAGACTGGTTCATGGTCGGAATAGTGCTGGCGATCGCTGGAGCTA
 AACTGGAGCCGTCCATAGGGTGAATGGGGGACCACTGAAGCCAGAAATAACTGTATCCTACATTGCTGT
 TGCAACAATATTCTTTAACAGTGGACTATCATTGAAAACAGAGGAGCTGACCAGTGCTTTGGTGCATCTA
 AAAGTGCATCTTTTATTCAGATCTTTACTCTTGCACTTTCCAGCAACAATATGGCTTTTCTTCAGC
 TTTTATCAATCACACCCATCAACGAATGGCTTTTAAAAGTTTGCAGACAGTAGGTTGCATGCCTCCGCC
 TGTGCTTCTGCAGTGATTTTAACCAAGGCAGTTGGTGGAAATGAGGCAGCTGCAATATTTAATTCAGCC
 TTTGGAAGTTTTTTGGGCATCGTTATAACACCCCTGCTCCTGCTGCTTTTTCTTGTTTCATCTTCTCTG
 TGCCCTTTCACATCTATTTTTCTCAGCTTTTTATGACTGTTGTGGTTCCTCTCATCATTGGACAGATTGT
 CCGAAGATACATCAAGGATTGGCTTGAGAGAAAGAAGCCTCCTTTTGGTGCTATCAGCAGCAGTGTACTC
 CTCATGATCATCTACACAACATTCTGTGACAGTTCTCTAACCCAAATATTGACCTGGATAAATTCAGCC
 TTGTTCTCATACTGTTTATAATTTTTCTATCCAGCTGAGTTTTATGCTTTTAACTTTTCATCTTTTCAAC
 AAGGAATAATTCGGGTTTCACACCAGCAGACAGTGGCTATCATTTTCTGTTCTACACACAAATCCCTT
 ACATTGGGAATTCGATGCTGAAGATCGTGTTCAGGCCATGAGCATCTCTTTAATATCTGTACCCT
 TGCTCATCTACCACCCAGCTCAGATCCTCCTGGGAAGTGTGTTGGTGCCAACAATCAAGCTTTGGATGGT
 ATCAAGGCAGAAGGGAGTGAAGCTGACAAGGCCGACAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

Protein Sequence: >RG213697 representing NM_001029998
 Red=Cloning site Green=Tags(s)

MRLLERMRKDFMVGIVLAIAGAKLEPSIGVNGGPKPEITVSYIAVATIFFNSGLSLKTEELTSALVHL
 KLHLFIQIFTLAFFPATIWLFLQLLSITPINEWLLKGLQTVGCMPPPVSSAVILTKAVGGNEAAAFNSA
 FGSFLGIVITPLLLLLFLGSSSSVPFTSIFSQLFMTVVVPLIIGQIVRRYIKDWLERKKPPFGAIISSVL
 LMIYTTFCDTFSNPNIIDDKFSLVLILFIIFSISQLSFMLLTFFSTRNNSGFTPADTVAIIFCSTHKSL
 TLGIPMLKIVFAGHEHLSLISVPLLIYHPAQILLGSVLVPTIKSWMVSRQKGVKLTRPTV

TRTRPLE – GFP Tag – V

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_001029998

ORF Size: 1020 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_001029998.2](#)

RefSeq Size: 2706 bp

RefSeq ORF: 1023 bp

Locus ID: 84068

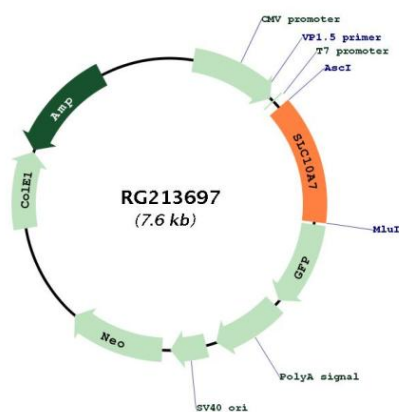
UniProt ID: [Q0GE19](#)

Cytogenetics: 4q31.22

Protein Families: Transmembrane

Gene Summary: Does not show transport activity towards bile acids or steroid sulfates (including taurocholate, cholate, chenodeoxycholate, estrone-3-sulfate, dehydroepiandrosterone sulfate (DHEAS) and pregnenolone sulfate).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213697