

Product datasheet for **RC213697**

SLC10A7 (NM_001029998) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC10A7 (NM_001029998) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC10A7
Synonyms:	C4orf13; P7; SSASKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213697 representing NM_001029998 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCCC

ATGAGGCTGCTGGAGAGAATGAGGAAAGACTGGTTCATGGTCGGAATAGTGCTGGCGATCGCTGGAGCTA
AACTGGAGCCGTCCATAGGGGTGAATGGGGGACCACTGAAGCCAGAAATAACTGTATCCTACATTGCTGT
TGCAACAATATTCTTTAACAGTGGACTATCATTGAAAACAGAGGAGCTGACCAGTGCTTTGGTGCACTA
AACTGCATCTTTTATTCAGATCTTTACTCTTGCACTTTCCAGCAACAATATGGCTTTTCTTCAGC
TTTTATCAATCACACCCATCAACGAATGGCTTTTAAAAGGTTTGAGACAGTAGGTTGCATGCCTCCGCC
TGTGTCTTCTGCAGTGATTTTAACCAAGGCAGTTGGTGGAATGAGGCAGCTGCAATATTTAATTCAGCC
TTTGGAAGTTTTTTGGGCATCGTTATAACACCCCTGCTCCTGCTGCTTTTTCTTGTTTCATCTTCTCTG
TGCCTTTCACATCTATTTTTCTCAGCTTTTTATGACTGTTGTGGTTCCTCTCATCATTGGACAGATTGT
CCGAAGATACATCAAGGATTGGCTTGAGAGAAAGAAGCCTCCTTTTGGTGCTATCAGCAGCAGTGTACTC
CTCATGATCATCTACACAACATTCTGTGACAGTTCTCTAACCCAAATATTGACCTGGATAAATTCAGCC
TTGTTCTCATACTGTTTATAATTTTTCTATCCAGCTGAGTTTTATGCTTTTAACTTTTCATCTTTTCAAC
AAGGAATAATTCGGGTTTCACACCAGCAGACAGTGGCTATCATTTTCTGTTCTACACAAAATCCCTT
ACATTGGGAATTCGATGCTGAAGATCGTGTTCAGGCCATGAGCATCTCTTTAATATCTGTACCCT
TGCTCATCTACCACCCAGCTCAGATCCTCCTGGGAAGTGTGTTGGTGCCAACAATCAAGCTTTGGATGGT
ATCAAGGCAGAAGGGAGTGAAGCTGACAAGGCCGACAGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC213697 representing NM_001029998

Red=Cloning site Green=Tags(s)

MRLLEMRKDWFMVGIVLAIAGAKLEPSIGVNGGPKPEITVSYIAVATIFFNSGLSLKTEELTSALVHL
KLHLFIQIFTLAFFPATIWLFLQLLSITPINEWLLKGLQTVGCMPPPVSSAIVLTKAVGGNEAAAFNSA
FGSFLGIVITPLLLLLLLFGSSSVPTFSIFSQFMFTVVVPLIIGQIVRRYIKDWLERKKPPFGAISSVL
LMIYTTFTCDTFSNPNIIDLKFSVLVILFIFISQILSMLLTFIFSTRNNSGDFPADTVAIIFCSTHKS
LGLIPMLKIVFAGHEHLSLISVPLLIIYHPAOILLGSVLPTIKSWMVSROKGVKLTRPTV

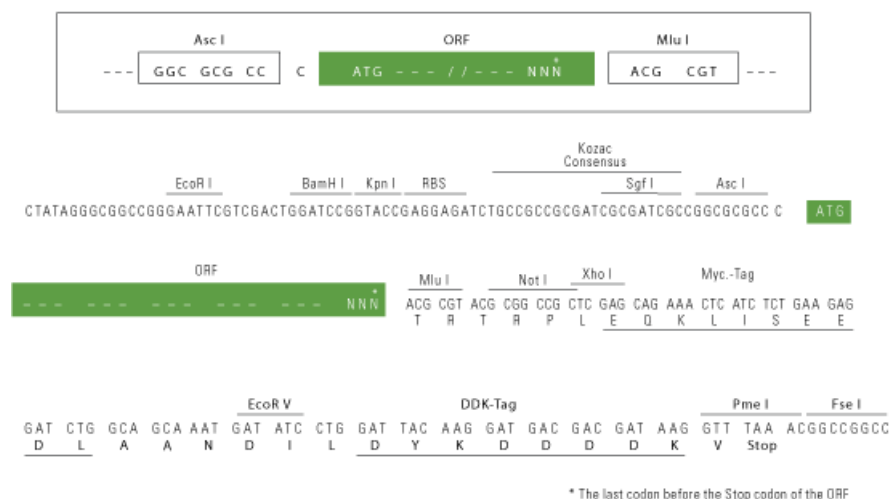
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8004_g08.zip

Restriction Sites: AscI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM 001029998

ORF Size: 1020 bp

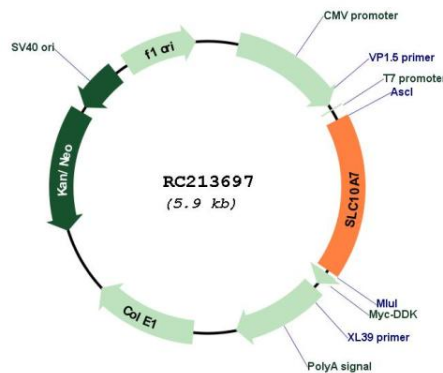
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001029998.2</u>
RefSeq Size:	3787 bp
RefSeq ORF:	1023 bp
Locus ID:	84068
UniProt ID:	<u>Q0GE19</u>
Cytogenetics:	4q31.22
Protein Families:	Transmembrane
MW:	37.4 kDa
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 RC213697