

Product datasheet for **RC207954**

SLC22A16 (NM_033125) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A16 (NM_033125) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC22A16
Synonyms:	CT2; dj261K5.1; FLIPT2; HEL-S-18; OAT6; OCT6; OKB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC207954 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGTCCCCTACTTCGAGGGGATTTATGACCACGTGGGGCACTTCGCGAGATTCCAGAGAGTCTCT
ATTTTCATATGTGCCTCCAGAACATCTCTGTGGTATTCACTACTTGGCTTCTGTGTTTCATGGGAGTCAC
CCCTCATCATGTCTGCAGGCCCCAGGCAATGTGAGTCAGTTGTTTTCCATAATCACTCTAATTGGAGT
TTGGAGGACACCGGGCCCTGTTGTCTTCAGGCCAGAAAGATTATGTTACGGTGCAGTTGCAGAATGGT
AGATCTGGGAGCTCTCAAGGTGTAGCAGGAATAAGAGGGAGAACACATCGAGTTGGGCTATGAATACAC
TGGCAGTAAGAAAGAGTTTCTTGTGTGGATGGCTACATATATGACCAGAACACATGGAAAAGCACTGCG
GTGACCCAGTGGAACTGGTCTGTGACCGAAAATGGCTTGAATGCTGATCCAGCCCTATTTATGTTT
GAGTCTACTGGGATCGGTGACTTTTGGCTACTTTTCTGACAGGCTAGGACGCCGGTGGTCTTGTGGG
CACAAGCAGTAGCATGTTTTTGTGGAATAGCAGCGCGTTTGCAGTTGATTATTACACCTTCATGGCT
GCTCGCTTTTTCTTGCCATGGTTGCAAGTGGCTATCTTGTGGTGGGTTTGTCTATGTGATGGAATTC
TTGGCATGAAGTCTCGGACATGGCGTCTGTCCATTTGCATTCCTTTTTTGCAGTTGGAACCTGCTGGT
GGCTTTGACAGGATACTTGGTCAGGACCTGGTGGCTTTACCAGATGATCCTCTCCACAGTACTGTCCCC
TTTATCCTGTGCTGTTGGGTGCTCCAGAGACACCTTTTTGGCTTCTCTCAGAGGACGATATGAAGAAG
CACAAAAATAGTTGACATCATGGCCAAGTGGAAACAGGGCAAGCTCCTGTAACTGTCAGAACTTTTATC
ACTGGACCTACAAGTCTGTAGTAATAGCCCCACTGAAGTTCAGAAGCACAACTATCATATCTGTTT
TATAACTGGAGCATTACGAAAAGGACACTTACCGTTTGGCTAATCTGGTTCAGTGAAGTTGGGATTCT
ACTCGTTTTCTTGAATCTGTTAACTTAGGAGCAATGAATACTTAACTCTTCTCTCGGTGTAGT
GGAAATCCCGCCTACACCTTCGTGTGCATCGCCATGGACAAGGTCGGGAGGAGAACAGTCTGGCCTAC
TCTTTTTCTGCAGTGCCTGGCTGTGGTGTCTTATGGTATCCCCAGAAACATTATATTTTGGGTG
TGGTGACAGTATGGTTGAAAAATTTGCCATCGGGCAGCATTGGCCTCATTTATCTTTATACAGCTGA
GCTGTATCCAACATTGTAAGATCGCTGGCTGTGGGAAGCGGCAGCATGGTGTGTCGCTGGCCAGCATC
CTGGCGCCTTCTGTGGACCTCAGCAGCATTGGATCTTCATACCACAGTTGTTTGTGGACTATGG
CCCTCCTGAGTGGAGTGTAACTAAAGCTTCCAGAAACCTTGGGAAACGGCTAGCAACTACTGGGA
GGAGGCTGCAAACTGGAGTCAAGAAATGAAAGCAAGTCAAGCAATTAATCTCACAACATAATAAGT
GGCTGAAAAAACGGAAGCGATTACCCCGAGGATTCTGGTCTTGGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207954 protein sequence
Red=Cloning site Green=Tags(s)

MGRHFEGYIDHVGHFGRFQRVLYFICAFQNI SCGIHYLASVFMGVTPHHVCRPPGNVSQVVFHNHSNWS
LEDTGALLSSGQKDYVTVQLQNGEIWELSRCSRNKRENTSSLGYEYTGSKKEFPVVDGYIYDQNTWKSTA
VTQWNLVCDRKWLAMLIQPLFMFGVLLGSVTFGYFSDRLGRRVVLWATSSMFLFGIAAAFVDDYTFMA
ARFFLAMVASGYLVVGFVYVMEFIGMKSRTWASVHLHSFFAVGTLVVALTGYLVRTWVWYQMI LSTVTP
FILCCWVLPETPFWLLSEGRYEEAQKIVDIMAKWNRASSCKLSELLSLDLQGPVSNPTEVQKHNLSYLF
YNWSITKRTLTVWLIWFTGSLGFYSFLNSVNLGGNEYLNLFLLVVEIPAYTFVCIAMDKVGRRTVLAY
SLFCSALACGVVMVIPQKHILGVVTAMVGKFAIGAAFGLIYLYTAELYPTIVRSLAVGSGSMVCRLASI
LAPFVLDLSSIIWIFIPQLFVGTMLLSGLVTLKLPETLGKRLATTWEEAAKLESENESSKSKLLTTNNS
GLEKTEAITPRDGLGE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6134_f04.zip

Restriction Sites:

Sgfl-MluI

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.
RefSeq:	NM_033125.4
RefSeq Size:	1997 bp
RefSeq ORF:	1734 bp
Locus ID:	85413
Protein Families:	Transmembrane
MW:	64.6 kDa
Gene Summary:	This gene encodes a member of the organic zwitterion transporter protein family which transports carnitine. The encoded protein has also been shown to transport anticancer drugs like bleomycin (PMID: 20037140) successful treatment has been correlated with the level of activity of this transporter in tumor cells. [provided by RefSeq, Dec 2011]