

Product datasheet for **RC216107**

SLC39A6 (NM_012319) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A6 (NM_012319) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC39A6
Synonyms:	LIV-1; ZIP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC216107 representing NM_012319
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAGGAAGTTATCTGTAATCTTGATCCTGACCTTTGCCCTCTGTGCACAAATCCCCTTCATGAAC
 TAAAAGCAGCTGCTTTCCCCAGACCAGTGAAGAAATTAGTCCGAATTGGGAATCTGGCATTAAATGTTGA
 CTTGGCAATTTCCACACGGCAATATCATCTACAACAGCTTTTCTACCGCTATGGAGAAAATAATTCTTTG
 TCAGTTGAAGGGTTCAGAAAATTACTTCAAATATAGGCATAGATAAGATTAAAAGAATCCATATACACC
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 CTCAGACCAGGACATCACTCTGACCATGATCATCACTCTCACCATAATCATGCTGCTTCTGGTAAAAAT
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 TAAAATCGTGTTTCGTATAAATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC216107 representing NM_012319
 Red=Cloning site Green=Tags(s)

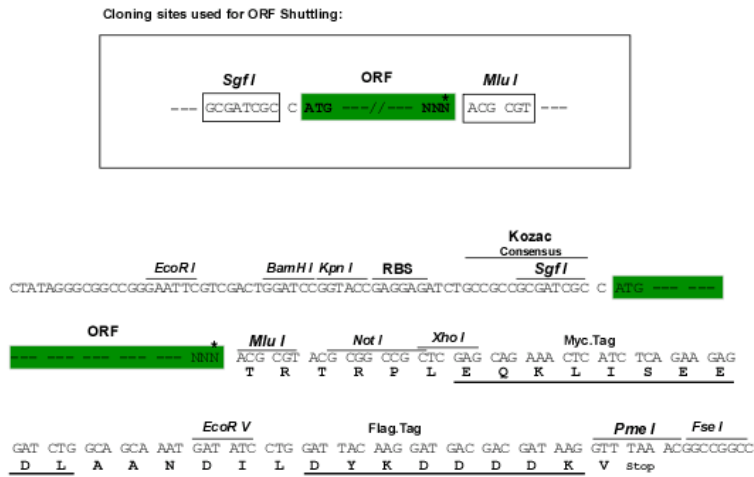
MARKLSVILILTFALSVTNPLHELKAAAFQQTTEKISPNWESGINVDLAISTRQYHLQQLFYRYGENNSL
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 KRKALCPDHSDSDSGKDPNRSQKGGAHRPEHASGRNRVKDSVSASEVTSTVYNTVSEGTHFLETIETPRP
 GKLFPKDVSSTPPSVTSKSRVSRLAGRKTNESVSEPRKGFMYSRNTNENPQECFNASKLLTSHGMIQV
 PLNATEFNFLCPAIIINQIDARSCLIHSTSEKKAIEPPKTYSLQIAWVGGFIAISIIISFLSLLGVILVPLMN
 RVFFKFLLSFLVALAVGTLSGDAFLHLLPHSHASHHSHSHEEPAMEMKRGLFSLSSQNIIEESAYFDS
 TWKGLTALGGLYFMFLVEHVLTLIKQFKDKKKKNQKPKENDDVEIKKQLSKYESQLSTNEEKVDTDDRT
 EGYLRADSQEPESHFDSQQPAVLEEEVMIHAHPQEYVNEYVPRGCKNKCHSHFHDTLGQSDDLIIHHHD
 YHHILHHHHHQNHHPHSHSQRYREELKDAGVATLAWMVMIMGDGLHNFSDGLAIGAAFTEGLSSGLSTSV
 AVFCHELPHELGDFAVLLKAGMTVKQAVLYNALSAMLAYLGMATGIFIGHYAENVSMWIFALTAGLFMYV
 ALVDMVPEMLHNDASDHGCSRWGYFFLQAGMLLGFGLIMLLISIFEHKIVFRINF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



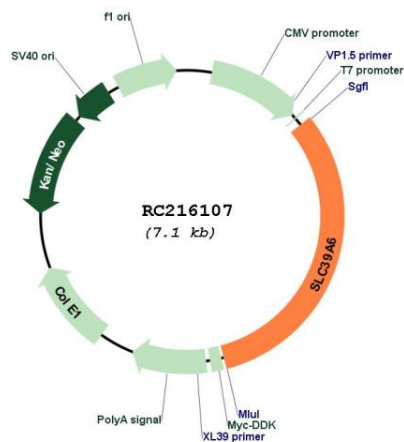
* The last codon before the Stop codon of the ORF

ACCN: NM_012319

ORF Size: 2265 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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:	<ol style="list-style-type: none"> 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_012319.3 , NP_036451.3
RefSeq Size:	3637 bp
RefSeq ORF:	2268 bp
Locus ID:	25800
UniProt ID:	Q13433
Cytogenetics:	18q12.2
Domains:	Zip
Protein Families:	Druggable Genome, Transmembrane
MW:	84.9 kDa
Gene Summary:	Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC216107