

Product datasheet for **RC200341**

ENT1 (SLC29A1) (NM_004955) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENT1 (SLC29A1) (NM_004955) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC29A1
Synonyms:	ENT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC200341 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAACCACTCACCAGCCTCAGGACAGATACAAAGCTGTCTGGCTTATCTTTCATGCTGGGTCTGG
GAACGCTGCTCCCGTGAATTTTTTCATGACGGCCACTCAGTATTTACAAAACCGCCTGGACATGTCCCA
GAATGTGTCTTGGTCACTGCTGAAGTGAAGGACGCCAGGCGTCAGCCGCCCTGCAGCACCCCTTG
CCTGAGCGGAAGTCTCTCAGTGCATCTTCAACAATGTCATGACCCTATGTGCCATGCTGCCCTGCTGT
TATTCACCTACCTCAACTCCTTCTGCATCAGAGGATCCCCAGTCCGTACGGATCCTGGGCAGCCTGGT
GGCCATCTGCTGGTGTCTGATCACTGCCATCCTGGTGAAGGTGCAGCTGGATGCTCTGCCCTCTTT
GTCATCACCATGATCAAGATCGTCTCATTAAATCATTGGTCCATCCTGCAGGGCAGCCTGTTGGTC
TGGCTGGCCTTCTGCCTGCCAGCTACACGGCCCCATCATGAGTGGCCAGGGCCTAGCAGGCTTCTTTGC
CTCCGTGGCCATGATCTGCGCTATTGCCAGTGGCTCGGAGCTATCAGAAAGTGCCTTCGGCTACTTTATC
ACAGCCTGTGCTGTTATCATTGACCATCATCTGTTACCTGGGCTGCCCGCCTGGAATTCTACCGCT
ACTACCAGCAGCTCAAGCTTGAAGGACCCGGGAGCAGGAGACCAAGTTGGACCTCATTAGCAAAGGAGA
GGAGCCAAGAGCAGGCAAGAGGAATCTGGAGTTTCAGTCTCCAAGTCTCAGCCACCAATGAAAGCCAC
TCTATCAAAGCCATCCTGAAAAATATCTCAGTCTGGCTTCTCTGTCTGCTTACTTCACTATACCA
TTGGGATGTTCCAGCCGTGACTGTTGAGGTCAAGTCCAGCATCGCAGGCAGCAGCACCTGGGAACGTTA
CTTCATTCCTGTGCTCTGTTCTTGACTTTCAATATCTTTGACTGGTGGGCCGGAGCCTCACAGCTGTA
TTCATGTGGCTGGGAAGGACAGCCGCTGGCTGCCAAGCCTGGTCTGGCCGGCTGGTGTGTTGTGCCAC
TGCTGCTGTGCAACATTAAGCCCGCCGCTACCTGACTGTGGTCTTCGAGCAGCATGCCTGGTTCAT
CTTCTTCATGGCTGCCTTTGCCTTCTCCAACGGCTACCTCGCCAGCCTCTGCATGTGCTTCGGGCCAAG
AAAGTGAAGCCAGCTGAGGCAGAGACCGCAGGAGCCATCATGGCCTTCTTCTGTGTCTGGTCTGGCAC
TGGGGCTGTTTTCTCTTCTGTTCCGGCAATTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200341 protein sequence
Red=Cloning site Green=Tags(s)

MTTSHQPQDRYKAVWLIFFLGLGTLTPWNFFMTATQYFTNRLDMSQNVSLVTAELSKDAQASAAPAAPL
PERNSLSAIFNNVMTLCAMLPLLLFTYLNFLHQRIQSVRILGSLVAILLVFLITAILVKVQLDALPFF
VITMIKIVLINSFGAILQGSFLGAGLLPASYTAPIMSGQLAGFFASVAMICAIASGSELSAFAFGYFI
TACAVIILTIIICYLGLPRLEFYRYQQKLEGPGEQETKLDLISKGEPRAGKEESGVSVSNSQPTNESH
SIKAILKNISVLAFSVCFIFTITIGMFPVAVTEVKSSIAGSSTWERYFIPVSCFLTFNIFDWLGRSLTAV
FMWPGKDSRWLPSLVLARLVFVPLLLLCNIKPRRYLTVVFEHDAWFIFMAAFASNGYLASLTCMCFGPK
KVKPAEAEETAGAIMAFFLCLGLALGAVFSFLFRAIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6175_b04.zip

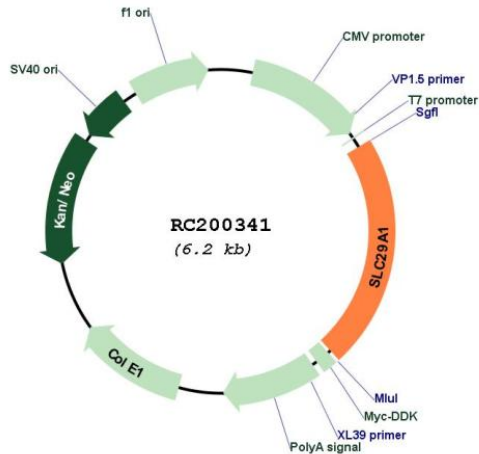
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_004955

ORF Size: 1368 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.

RefSeq: [NM_004955.2](#), [NP_004946.1](#)

RefSeq Size: 2341 bp

RefSeq ORF: 1371 bp

Locus ID: 2030

Domains: Nucleoside_tran

Protein Families: Transmembrane

MW: 50.2 kDa

Gene Summary: This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq, Jul 2008]