

Product datasheet for **RC224498**

ENT1 (SLC29A1) (NM_001078176) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENT1 (SLC29A1) (NM_001078176) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ENT1
Synonyms:	ENT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC224498 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAACCAGTCACCAGCCTCAGGACAGATACAAAGCTGTCTGGCTTATCTTTCATGCTGGGTCTGG
GAACGCTGCTCCCGTGAATTTTTTCATGACGGCCACTCAGTATTTACAAAACCGCCTGGACATGTCCCA
GAATGTGTCTTGGTCACTGCTGAACTGAGCAAGGACGCCAGGCGTCAGCCGCCCTGCAGCACCCCTTG
CCTGAGCGGAACTCTCTCAGTGCCATCTTCAACAATGTCATGACCCTATGTGCCATGCTGCCCTGCTGT
TATTCACCTACCTCAACTCCTTCTGCATCAGAGGATCCCCAGTCCGTACGGATCCTGGGCAGCCTGGT
GGCCATCTGCTGGTGTCTGATCACTGCCATCCTGGTGAAGGTGCAGCTGGATGCTCTGCCCTCTTT
GTCATCACCATGATCAAGATCGTCTCATTAAATTCATTTGGTCCATCCTGCAGGGCAGCCTGTTTGGTC
TGGCTGGCCTTCTGCCTGCCAGCTACACGGCCCCATCATGAGTGGCCAGGGCCTAGCAGGCTTCTTTGC
CTCCGTGGCCATGATCTGCGCTATTGCCAGTGGCTCGGAGCTATCAGAAAGTGCCTTCGGCTACTTTATC
ACAGCCTGTGCTGTTATCATTTTTGACCATCATCTGTTACCTGGGCTGCCCGCCTGGAATTCTACCGCT
ACTACCAGCAGCTCAAGCTTGAAGGACCCGGGAGCAGGAGACCAAGTTGGACCTCATTAGCAAAGGAGA
GGAGCCAAGAGCAGGCAAGAGGAATCTGGAGTTTCAGTCTCCAACCTCTCAGCCACCAATGAAAGCCAC
TCTATCAAAGCCATCCTGAAAAATATCTCAGTCTGGCTTTCTCTGTCTGCTTACTTCACTATACCA
TTGGGATGTTCCAGCCGTGACTGTTGAGGTCAAGTCCAGCATCGCAGGCAGCAGCACCTGGGAACGTTA
CTTCATTCCTGTGCTCTGTTCTTGACTTTCAATATCTTTGACTGGTGGGCCGGAGCCTCACAGCTGTA
TTCATGTGGCTGGGAAGGACAGCCGCTGGCTGCCAAGCCTGGTCTGGCCGGCTGGTGTGTGCCAC
TGCTGCTGCTGTGCAACATTAAGCCCCGCCCTACCTGACTGTGGTCTTCGAGCAGCATGCCTGGTTCAT
CTTCTTCATGGCTGCCTTTGCCTTCTCCAACGGCTACCTCGCCAGCCTCTGCATGTGCTTCGGGCCCAAG
AAAGTGAAGCCAGCTGAGGCAGAGACCGCAGGAGCCATCATGGCCTTCTTCTGTGTCTGGTCTGGCAC
TGGGGCTGTTTTCTCTTCTGTTCCGGCAATTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224498 protein sequence
Red=Cloning site Green=Tags(s)

MTTSHQPQDRYKAVWLIFFMLGLGTLPLWNFFMTATQYFTNRLDMSQNVSLVTAELSKDAQASAAPAAPL
PERNSLSAIFNNVMTLCAMLPLLLFTYLNFLHQRIPQSVRILGSLVAILLVFLITAILVKVQLDALPFF
VITMIKIVLINSFGAILQGSFLGLAGLLPASYTAPIMSGQLAGFFASVAMICAIASGSELSAFAFGYFI
TACAVIILTIICYLGLPRLEFYRYQQQLKEGPEQETKLDLISKGEPRAGKEESGVSVSNSQPTNESH
SIKAILKNI SVLAFSVCFIFTITIGMFPVAVTEVKSSIAGSSTWERYFIPVSCFLTFNIFDWLGRSLTAV
FMWPGKDSRWLPSLVLARLVFVPLLLL CNIKPRRYLTVVFEHDAWFIFMAAFASNGYLASLCMCFGPK
KVKPAEAETAGAIMAFFLCLGLALGAVFSFLFRAIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

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

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001078176

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.

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_001078176.2](#), [NP_001071644.1](#)

RefSeq Size: 2201 bp

RefSeq ORF: 1371 bp

Locus ID: 2030

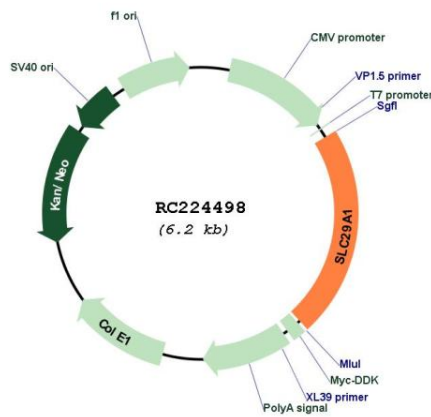
Cytogenetics: 6p21.1

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]

Product images:



Circular map for RC224498