

Product datasheet for SC335616

ENT2 (SLC29A2) (NM_001300869) Human Untagged Clone

Product data:

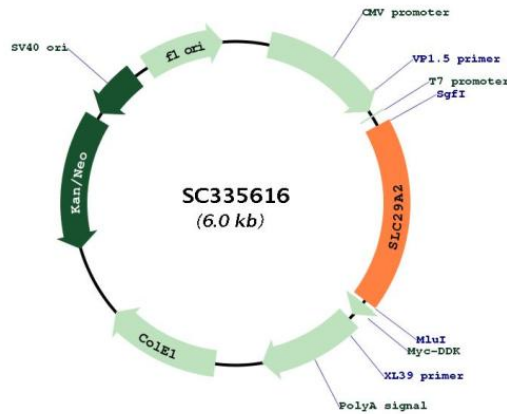
Product Type:	Expression Plasmids
Product Name:	ENT2 (SLC29A2) (NM_001300869) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC29A2
Synonyms:	DER12; ENT2; HNP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335616 representing NM_001300869. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAGGAGACGCCCGGGACAGCTACCACCTGGTGGGATCAGCTTCTTCATCCTGGGGCTG
GGCACCCTCCTTCCCTGGAATCTTTCATCACCGCCATCCCGTACTTCCAGGCGGACTGGCCGGGGCC
GGCAACAGCACAGCCAGGATCCTGAGCACCAACCACGGGTCCCAGGATGCCTTCAACTTCAACAAT
TGGGTGACGCTGCTGTCCAGCTGCCCTGCTGCTTTCACCCTCCTCAACTCCTTCTGTACCAGTGC
GTCCCGGAGACGGTGCGATTCTGGGCAGCCTGCTGGCCATACTGCTGCTTTTGCCTGACAGCAGCG
CTGGTCAAGGTGGACATGAGCCCGGACCCTTCTTCCATCACCATGGCCTCCGTCTGCTTCATCAAC
TCCTTCAGTGCAGTCTACAGGGCAGCCTTTCGGGCAGCTGGGCACCATGCCCTCCACCTACAGCACC
CTTCTCCTCAGCGGCCAGGGCCTGGCTGGGATCTTTGCTGCCCTTGCATGCTCCTGTCCATGGCCAGT
GGCGTGGACGCCGAGACCTCTGCCCTGGGGTACTTTATCACGCCCTGTGTGGGCATCCTCATGTCCATC
GTGTGTTACCTGAGCCTGCCTCACCTGAAGTTTGGCCGCTACTACCTGGCCAATAAATCATCCCAGGCC
CAAGCTCAGGAGCTGGAGACAAAGCTGAGCTCCTCCAGTCTGATCTGGTGACAGCGTGTGCCTTGT
GTTGGTCTTACAGTACCCTGTCCGTCTTCCCGCCATCACAGCCATGGTGACCAGCTCCACCAGTCC
TGGGAAGTGGAGTCAGTTCTTCAACCCATCTGCTGCTTCTCCTCTTCAACATCATGGACTGGCTGGG
ACGGAGCCTGACCTTACTTCTGTGGCCAGACGAGGACGCCGGCTGCTGCCCTGTGGTCTGCCT
CGGTTTCTGTTCTGTCGCCCTTTCATGCTGTGCCAGTGCCTCCAGAGGTCCCAGGCTGCCATCCTCTT
CCCACAGGATGCCTACTTCATCACCTTTCATGCTGCTCTTTGCCGTTTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001300869

Insert Size: 1086 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001300869.1](#)

RefSeq Size: 2561 bp

RefSeq ORF: 1086 bp

Locus ID: 3177

Cytogenetics: 11q13.2

Protein Families: Transmembrane

MW: 38.8 kDa

Gene Summary:

The uptake of nucleosides by transporters, such as SLC29A2, is essential for nucleotide synthesis by salvage pathways in cells that lack de novo biosynthetic pathways. Nucleoside transport also plays a key role in the regulation of many physiologic processes through its effect on adenosine concentration at the cell surface (Griffiths et al., 1997 [PubMed 9396714]). [supplied by OMIM, Nov 2008]

Transcript Variant: This variant (3) differs in the 5' UTR and lacks an alternate exon compared to variant 1, that causes a frameshift. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.