

Product datasheet for **RG217319**

SLC29A3 (NM_018344) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC29A3 (NM_018344) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC29A3
Synonyms:	ENT3; HCLAP; HJCD; PHID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217319 representing NM_018344
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCGTTGTCTCAGAGGACGACTTTTCAGCACAGTTCAAACCTCCACCTACAGAACCACAAGCAGCAGTC
 TCCGAGCTGACCAGGAGGCACTGCTTGAGAAGCTGCTGGACCGCCGCCCTGGCTGCAGAGGCCGA
 GGACCGCTTCTGTGGCACATACATCATCTTCTTCAGCCTGGGCATTGGCAGTCTACTGCCATGGAATTC
 TTTATCACTGCCAAGGAGTACTGGATGTTCAAACCTCCGCAACTCTCCAGCCAGCCACCGGGGAGGACC
 CTGAGGGCTCAGACATCCTGAACACTTTGAGAGCTACCTTGCCGTTGCCTCCACCGTGCCCTCCATGCT
 GTGCCTGGTGGCAACTTCTGCTTGTCAACAGGGTGCAGTCCACATCCGTGTCCTGGCCTCACTGACG
 GTCATCCTGGCCATCTTCATGGTGATAACTGCACTGGTGAAGGTGGACACTTTCTCTGGACCCGTGGCT
 TTTTGGCGTCACCATTTGTGTCATGGTGATCCTCAGCGGTGCCTCCACTGTCTTCAGCAGCAGCATCTA
 CGGCATGACCGGCTCCTTCTATGAGGAACCTCCAGGCACTGATATCAGGAGGAGCCATGGGCGGACG
 GTCAGCGCCGTGGCCTCATTGGTGGACTTGGCTGCATCCAGTGATGTGAGGAACAGCGCCCTGGCCTTCT
 TCCTGACGGCCACCATCTTCTCGTGCTCTGCATGGGACTCTACCTGCTGCTGTCCAGGCTGGAGTATGC
 CAGGTAATACATGAGGCCTGTTCTTGCGGCCATGTGTTTTCTGGTGAAGAGGAGCTTCCCCAGGACTCC
 CTCAGTGCCCTTCGGTGGCCTCCAGATTCAATTGATTCCACACACCCCTCTCCGCCCATCCTGAAGA
 AGACGGCCAGCCTGGGCTTCTGTGTACCTACGCTTCTTCATCACCAGCCTCATCTACCCGCCGTCTG
 CACCAACATCGAGTCCCTCAACAAGGGCTCGGGCTCACTGTGGACCACCAAGTTTTTCATCCCCCTCACT
 ACCTTCTCTGTACAACTTTGCTGACCTATGTGGCCGGCAGCTACCGCCTGGATCCAGGTGCCAGGGC
 CCAATAGCAAGGCGCTCCAGGGTTCGTGCTCCTCCGACCTGCCTCATCCCCCTCTTCGTGCTCTGTAA
 CTACCAGCCCCGCTCCACCTGAAGACTGTGGTCTTCCAGTCCGATGTGTACCCCGCACTCCTCAGCTCC
 CTGCTGGGGCTCAGCAACGGCTACCTCAGCACCTGGCCCTCCTCTACGGGCCTAAGATTGTGCCAGGG
 AGCTGGCTGAGGCCACGGGAGTGGTGATGCTTTTATGTGTGCTTGGGCTTAACACTGGGCTCAGCCTG
 CTCTACCCTCCTGGTGCACCTCATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217319 representing NM_018344
 Red=Cloning site Green=Tags(s)

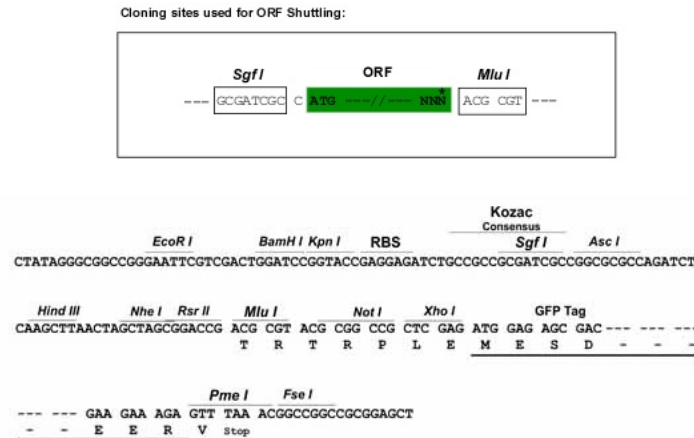
MAVVSEDDFQHSSNSTYRTTSSSLRADQEALLEKLLDRPPPGLQRPEDRFCGTYIIFSLGIGSLLPWNF
 FITAKEYWMFKLRNSSSPATGEDPEGS DILNYFESYLAVASTVPSMLCLVANFLLVNRVAVHIRVLASLT
 VILAIFMVITALVKVDTFSWTRGFFAVTIVCMVILSGASTVFS SSIYGMTGSFPMRNSQALISGGAMGGT
 VSAVASLVDLAASSDVRNSALAFFLTATIFLVLCMGLYLLLSRLEYARYYMRPVLAHVFSGEEELPQDS
 LSAPSVASRFIDSHTPPLRPILKKTASLGFVTVYVFFITSLIYPVCTNIESLNKGSGLWTTKFFIPLT
 TFLLYNFADLCGRQLTAWIQVPGPNSKALPGFVLLRTCLIPLFVLCNYQPRVHLKTVVFQSDVYPALLSS
 LLGLSNGYLSTLALLYGPKIVPRELAEATGVVMSFYVCLGLTLGSACSTLLVHLI

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_018344

ORF Size: 1425 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018344.2](#)

RefSeq Size: 2243 bp

RefSeq ORF: 1428 bp

Locus ID: 55315

UniProt ID: [Q9BZD2](#)

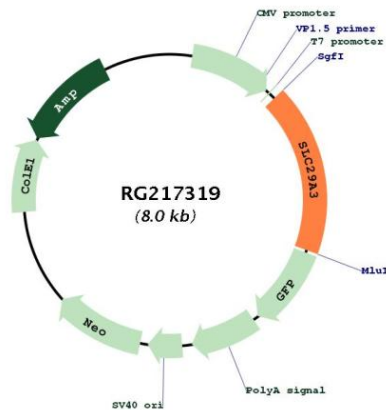
Cytogenetics: 10q22.1

Domains: Nucleoside_tran

Protein Families: Transmembrane

Gene Summary: This gene encodes a nucleoside transporter. The encoded protein plays a role in cellular uptake of nucleosides, nucleobases, and their related analogs. Mutations in this gene have been associated with H syndrome, which is characterized by cutaneous hyperpigmentation and hypertrichosis, hepatosplenomegaly, heart anomalies, and hypogonadism. A related disorder, PHID (pigmented hypertrichosis with insulin-dependent diabetes mellitus), has also been associated with mutations at this locus. Alternatively spliced transcript variants have been described.[provided by RefSeq, Mar 2010]

Product images:



Circular map for RG217319