

Product datasheet for **RG229780**

SLC29A3 (NM_001174098) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC29A3 (NM_001174098) 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)



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ORF Nucleotide Sequence:

>RG229780 representing NM_001174098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGTGTCTCAGAGGACGACTTTTCAGCACAGTTCAAACCTCCACCTACAGAACCACAAGCAGCAGTC
 TCCGAGCTGACCAGGAGGCACTGCTTGAGAAGCTGCTGGACCGCCCGCCCTGGCTGCAGAGGCCCGA
 GGACCGCTTCTGTGGCACATACATCATCTTCTTACGCCTGGGCATTGGCAGTCTACTGCCATGGAATTC
 TTTATCACTGCCAAGGAGTACTGGATGTTCAAACCTCCGCAACTCTCCAGCCCAGCCACCGGGGAGGACC
 CTGAGGGCTCAGACATCCTGAACACTTTGAGAGCTACCTTGCCGTTGCCTCCACCGTGCCTCCATGCT
 GTGCTGGTGGCCAACTTCTGCTTGTCAACAGGGTTCAGTCCACATCCGTGTCTTGGCCTCACTGACG
 GTCATCCTGGCCATCTTCATGGTGATAACTGCACTGGTGAAGGTGGACACTTTCTCTGGACCCGTGGCT
 TTTTGGCGTACCATTGTCTGCATGGTATCCTCAGCGGTGCCTCCACTGTCTTACGACGAGCATCTA
 CGGCATGACCGGCTCCTTTCCTATGAGGAACCTCCAGGCACTGATATCAGGAGGAGCCATGGGCGGAGC
 GTACGCGCGTGGCCTCATTGGTGGACTTGGCTGCATCCAGTGTGTGAGGAACAGCGCCCTGGCCTTCT
 TCTGACGGCCACCATCTTCTCGTGTCTGCATGGGACTCTACCTGCTGCTGTCCAGGCTGGAGTATGC
 CAGGTACTACATGAGGCCTGTTCTTGGCGCCATGTGTTTTCTGGTGAAGAGGAGCTTCCCAGGACTCC
 CTCAGTGGCCCTTCGGTGGCCTCCAGATTCATTGATTCACACACACCCCTCTCCGCCCATCCTGAAGA
 AGACGGCCAGCCTGGGCTTCTGTGTACCTACGCTTCTTTCATCACCAGCCTCATCTACCCCGCCGCTG
 CACCAACATCGAGTCCCTCAACAAGGGCTCGGGCTCACTGTGGACCACCAAGTTTTTCATCCCCCTCACT
 ACCTTCTCTGTACAACCTTGTGACCTATGTGGCCGGCAGCTACCCGCTGGATCCAGGTGCCAGGGC
 CCAATAGCAAGGCGTCCAGGGTTCGTGCTCCTCCGGACTGCCTCATCCCCCTTTCGTGCTCTGTAA
 CTACCGCCCGGCTCCACCTGAAGACTTGGTCTTCCAGTCCGATGTGTACCCCGCACTCCTCAGCTCC
 CTGCTGGGCTCAGCAACGGCTACCTCAGCACCTGGCCCTCCTACGGGCTAAGATTGTGCCAGGG
 AGCTGGCTGAGGCCACGGGAGTGGTATGCTCTTTATGTGTGCTGGGCTTAACACTGGGCTCAGCCTG
 CTACCCCTCCTGGTGCACCTCATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG229780 representing NM_001174098
 Red=Cloning site Green=Tags(s)

MAVSEDDFQHSSNSTYRTTSSSLRADQEALLEKLLDRPPPGLQRPEDRFCGYIIFSLGIGSLLPWNF
 FITAKEYWMFKLRNSSSPATGEDPEGSILNYFESYLAVASTVPSMLCLVANFLLVNRVAVHIRVLASLT
 VILAI FMVITALVKVDTF SWTRGFFAVTIVCMVILSGASTVFSIIYGMTGSFPMRNSQALISGGAMGGT
 VSAVASLVDLAASSDVRNSALAFFLTATIFLVLCMGLYLLL SRLEYARYYMRPVLAHVFSGEEELPQDS
 LSAPSVASRFIDSHTPPLRPILKKTASLGFVTVYVFFITSLIYPVCTNIESLNKGSLSLWTTKFFIPLT
 TFLLYNFADLCGRQLTAWIQVPGPNSKALPGFVLLRTCLIPLVLCNYQPRVHLKTVVFSQSDVYPALLSS
 LLGLSNGYLSTLALLYGPKIVPRELAEATGVVMSFYVCLGLTLGSACSTLLVHLI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001174098

ORF Size: 1428 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_001174098.1](#), [NP_001167569.1](#)

RefSeq Size: 2283 bp

RefSeq ORF: 777 bp

Locus ID: 55315

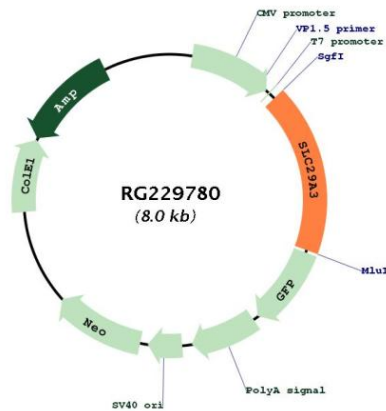
UniProt ID: [Q9BZD2](#)

Cytogenetics: 10q22.1

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 RG229780