

Product datasheet for **SC113561**

SLC29A3 (NM_018344) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC29A3 (NM_018344) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC29A3
Synonyms:	ENT3; HCLAP; HJCD; PHID
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113561 sequence for NM_018344 edited (data generated by NextGen Sequencing)

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ATGGCCGTTGTCTCAGAGGACGACTTTTCAGCACAGTTCAAACCTCCACCTACAGAACACACA
AGCAGCAGTCTCCGAGCTGACCAGGAGGCACTGCTTGAGAAGCTGCTGGACCGCCCGCCC
CCTGGCCTGCAGAGGCCGAGGACCGCTTCTGTGGCACATACATCATCTTCTTCAGCCTG
GGCATTGGCAGTCTACTGCCATGGAACCTTTTATCACTGCCAAGGAGTACTGGATGTTT
AAACTCCGCAACTCCTCCAGCCCAGCCACCGGGGAGGACCCTGAGGGCTCAGACATCCTG
AACTACTTTGAGAGCTACCTTGCCGTTGCCTCCACCGTGCCCTCCATGCTGTGCCTGGTG
GCCAATTCTGCTTGTCAACAGGGTTGCAGTCCACATCCGTGTCTGGCCTCACTGACG
GTCATCTGGCCATCTTCATGGTGATAACTGCACTGGTGAAGGTGGACACTTTCTCCTGG
ACCCGTGGCTTTTTTGGCGTCACCATTGTCTGCATGGTGATCCTCAGCGGTGCCTCCACT
GTCTTCAGCAGCAGCATCTACGGCATGACCGGCTCCTTTCTATGAGGAACCTCCAGGCA
CTGATATCAGGAGGAGCCATGGGCGGGACGGTCAGCGCCGTGGCCTCATTGGTGGACTTG
GCTGCATCCAGTGATGTGAGGAACAGCGCCCTGGCCTTCTTCTGACGGCCACCATCTTC
CTCGTGCTCTGCATGGGACTCTACCTGCTGCTGTCCAGGCTGGAGTATGCCAGTACTAC
ATGAGGCCTGTTCTTGCGGCCCATGTGTTTTCTGGTGAAGAGGAGCTTCCCCAGGACTCC
CTCAGTGCCCTTCGGTGGCCTCCAGATTATTGATTCCACACACCCCTCTCCGCCCC
ATCCTGAAGAAGACGGCCAGCCTGGGCTTCTGTGTACCTACGCTTTCTTCATCACCAGC
CTCATCTACCCCGCCGTCTGCACCAACATCGAGTCCCTCAACAAGGGCTCGGGCTCACTG
TGGACCACCAAGTTTTTCATCCCCCTCACTACCTTCTCCTGTACAACCTTGTGACCTA
TGTGGCCGGCAGCTACCGCCTGGATCCAGGTGCCAGGGCCCAATAGCAAGGCGCTCCCA
GGGTTCTGTCTCCTCCGACCTGCCTCATCCCCCTCTTCGTGCTCTGTAACCTACCAGCCC
CGCGTCCACCTGAAGACTGTGGTCTTCCAGTCCGATGTGTACCCGCACTCCTCAGCTCC
CTGCTGGGGCTCAGCAACGGCTACCTCAGCACCTGGCCCTCCTTACGGGCTAAGATT
GTGCCCAGGGAGCTGGCTGAGGCCACGGGAGTGGTGATGTCTTTTATGTGTGCTTGGG
TTAACTACTGGGCTCAGCCTGCTCTACCCTCCTGGTGACCTCATCTAG
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Clone variation with respect to NM_018344.5
473 c=>t;714 t=>c;715 g=>a;976 a=>g;1008 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018344 unedited

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NGGTGCGATTTGTATACGACTCATATAGGGCGGCCGGAATTGCGACGAGGCGACATGGC
CGTTGTCTCAGAGGACGACTTTTCAGCACAGTTCAAACCTCCACCTACAGAACACAAAGCAG
CAGTCTCCGAGCTGACCAGGAGGCACTGCTTGAGAAGCTGCTGGACCGCCCGCCCTGG
CCTGCAGAGGCCGAGGACCGCTTCTGTGGCACATACATCATCTTCTTCAGCCTGGGCAT
TGGCAGTCTACTGCCATGGAACCTTTTATCACTGCCAAGGAGTACTGGATGTTCAAACCT
CCGCAACTCCTCCAGCCCAGCCACCGGGGAGGACCCTGAGGGCTCAGACATCCTGAACCTA
CTTTGAGAGCTACCTTGCCGTTGCCTCCACCGTGCCCTCCATGCTGTGCCTGGTGCCAA
CTTCTGCTTGTCAACAGGGTTGCAGTCCACATCCGTGTCTGGCCTCACTGACGGTCAT
CCTGGCCATCTTCATGGTGATAACTGCACTGGTGAAGGTGGACACTTTCTCCTGGACCCG
TGGCTTTTTTGGCGTCACCATTGTCTGCATGGTGATCCTCAGCGGTGCCTCCACTGTCTT
CAGCAGCAGCATCTACGGCATGACCGGCTCCTTTCTATGAGGAACCTCCAGGCACTGAT
ATCAGGAGGAGCCATGGGCGGGACGGTCAGCGCCGTGGCCTCATTGGTGGACTTGGCTGC
ATCCAGTGATGTGAGGAACAGCGCCCTGGCCTTCTTCTGACGGCCACCATCTTCTCGT
GCTCTGCATGGGACTCTACCTGCTGCTGTCCAGGCTGGAGTATGCCANGTACTACATGAN
GCCNTGCTTTTGCCCATGTGTTNTCTGGTGAAGAGGAGCTTCCCAGGACTNCCTCAGTG
CCCTTTCTGTGGCCCTCAGATTCATGA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018344 unedited <pre> NNNNTTCGNCNAGNTNATTTNATTNACGNCNCCTTNGNNAACCAATGGNNCTTTGNACAT NNGTTGTAAACAGGNAACACTNGAAATACCCTCATCTTGACCCAGGCCATAGACCACCAG GTCATGAGGATCCCTCTTTTTTGAACCCAGGCCAGACATGCTTGATCCCTTGACACAG GGAGGCCCTCTGGTCCCTCTGGAATGAAGCATTATGGAAGGCCCATCTTCTGGGTTTT CCAGTCTGGCTAGTGGGAGTTGGGGGGGGCAGAACACAGGGTTCTGTGTCCCACTTG GGTTTTGGGTCTGAAGACTGACCATTCCCTCCGACTNCNACTCCCACTGGAACTCCT TGTAAGTAANGATTTTTTTNNTTTTATTTCCTTCTCCCTCACACCCCACTTCATCGCC CACNCTCTCTAGTCTCTACACGTTCTTACTTTAATTCCTCCCTCCGTTTCCCTCCCACT CCCCTCCCACTTACCTTTTCTCTTTTCTCTGTCTTATACTNNTTCTCCCTATCCT ACTCTCTCTATCCCCCTTTCTCTAATTTATTTCTTTTTCTTTTTATNTTCTCCC CTTTTCTTTCTTTCCGTTCCGCTCTCATCTCCCACTTCTNTCTCTCTTTATTT GATTTCCCTCCCTTCTCTCGTCTTTTATTTTACCTCTACTCCCTCGTTTCCCGAT CTCTTCTCTCATTTTATCTCTCCCTCCTTTTCTTATTCTTTATCTACATCCG CCCCCTTTCTACAGATTATACACTCCGCACGTCGCCCTCCACATTTATTTGCGCGC ATTAGTCCAGCGCCCTCTCTGTTCATGCCTTAGATATTCTCTCGTCTACTAATTTT ACTATATTTTACTACTGTCTGTCTCCTCTCCCTCCTCCCTATCTCTCTCTCTCATC ATAGCTCATAGTTTCTGTATCACTTATTTATTTCTATTTCATACGTTCTTCTCT TTTATACCTTCTG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018344
Insert Size:	2260 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:	<u>NM_018344.3</u> , <u>NP_060814.3</u>
RefSeq Size:	2243 bp
RefSeq ORF:	1428 bp
Locus ID:	55315
UniProt ID:	<u>Q9BZD2</u>
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]
Transcript Variant: This variant (1) encodes the longer isoform (a).