

Product datasheet for **SC315829**

SLC45A1 (NM_001080397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC45A1 (NM_001080397) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC45A1
Synonyms:	DNB5; IDDNPF; PAST-A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC315829 representing NM_001080397.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGCAGCAGCCGGGACCGCGCCGGGCAGGCAGCCAGCGGGGACAGGGATGCCTGCCGTCTC
CACCCACAGGGACGCCACCGCCCTCCACGATGATCCCGCAGCCAGCAGCACCCCGCGGAGAT
GCCCTCTTCCCCAGCGTGGCCCCACAGGACTTCTGGAGGTCCCAGGTCACGGGCTACTCGGGGTCCGTG
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TCCCCACCCCGCCCCCAACACCCCGTCCCGCTTGAGCTGGTGGACTTCGGGGACCTGCACCCCCAG
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CAGAGTAAGAAGTTTGAGGGTCCAGTGCGGACGGCACCCGGCGGGGCATGGGCGTGGACATCTCTCTG
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TGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001080397
Insert Size: 2349 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001080397.2</u>
RefSeq Size:	2527 bp
RefSeq ORF:	2349 bp
Locus ID:	50651
UniProt ID:	<u>Q9Y2W3</u>
Cytogenetics:	1p36.23
Protein Families:	Transmembrane
MW:	84.5 kDa
Gene Summary:	This gene was isolated initially from a region on chromosome 1p that is frequently deleted in human neuroblastoma, although no causal relationship has since been demonstrated. The encoded protein belongs to the glycoside-pentoside-hexuronide cation symporter transporter family and may play a role in glucose uptake. [provided by RefSeq, Mar 2014]