

Product datasheet for **SC336758**

SLC13A5 (NM_001284509) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC13A5
Synonyms:	DEE25; EIEE25; INDY; mIndy; NACT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC336758 representing NM_001284509.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTCGGCGCTGAGCTATGCTCCAAGTCAAGTCCTTCGTGATCTTGTTCTGTCACCCCGCTCCTG
CTGCTGCCACTCGTCATTCTGATGCCCCCAAGTTGTCAGGTGTGCCTACGTCATCATCCTCATGGCC
ATTTACTGGTGCACAGAAGTCATCCCTCTGGCTGTACCTCTCTCATGCCTGTCTTGCTTTTCCCACTC
TTCCAGATTCTGGACTCCAGGCAGGTGTGTGTCAGTACATGAAGGACACCAACATGCTGTTCTTGGGC
GGCCTCATCGTGGCCGTGGCTGTGGAGCGCTGGAACCTGCACAAGAGGATCGCCCTGCGCACGCTCCTC
TGGGTGGGGCCCAAGCTGCACGTAAACACGGCAACACGGCCATGATGGTGGCCATCGTGGAGGCCATA
TTGCAGCAGATGGAAGCCACAAGCGCAGCCACCGAGGCCGGCTGGAGCTGGTGGACAAGGCCAAGGCC
AAGGAGCTGCCAGGGAGTCAAGTGATTTTTGAAGGCCCACTCTGGGGCAGCAGGAAGACCAAGAGCGG
AAGAGGTTGTGTAAGGCCATGACCCTGTGCATCTGCTACGCGGCCAGCATCGGGGGCACCGCCACCTG
ACCGGGACGGGACCAACGTGGTCTCTGGGCCAGATGAACGAGTTGTTTCTGACAGCAAGGACCTC
GTGAACTTTGCTTCTGGTTTGCATTTGCCTTTCCCAACATGCTGGTGATGCTGCTGTTTGGCTGGCTG
TGGCTCCAGTTTGTATACATGAGATTCAATTTAAAAAGTCCTGGGGCTGCGGGCTAGAGAGCAAGAAA
AACGAGAAGGCTGCCCTCAAGTGCTGCAGGAGGAGTACCGGAAGCTGGGGCCCTTGCTCTTCGCGGAG
ATCAACGTGCTGATCTGCTTCTTCTGCTGGTCATCCTGTGTTCTCCGAGACCCCGGCTTCATGCC
GGCTGGCTGACTGTTGCCTGGGTGGAGGGTGAGACAAAGTATGCTCCGATGCCACTGTGGCCATCTTT
GTGGCCACCCTGCTATTGCTGCTTACAGAAAGCCCAAGTTTAACTTCCGAGCCAGACTGAGGAA
GAAAGGAAACTCCATTTATCCCCCTCCCTGCTGGATTGGAAGGTAACCCAGGAGAAAGTGCCCTGG
GGCATCGTCTGCTACTAGGGGGCGGATTGCTCTGGCTAAAGGATCCGAGGCCCTCGGGGCTGTCCGTG
TGGATGGGGAAGCAGATGGAGCCCTTGACACGAGTGCCCCCGGCAGCCATCACCTTGATCTTGCTCTTG
CTCGTTGCCGTGTTCACTGAGTGCACAAGCAACGTGGCCACCACCACCTTGTTCTGCCCATCTTTGCC
TCCATGTCTCGCTCCATCGGCCTCAATCCGCTGTACATCATGCTGCCCTGTACCCTGAGTGCCTCCTTT
GCCTTCATGTTGCTGTGGCCACCCTCCAAATGCCATCGTGTTCACCTATGGGCACCTCAAGGTTGCT
GACATGGTGAAAACAGGAGTCATAATGAACATAATTGGAGTCTTCTGTGTGTTTTGGCTGTCAACACC
TGGGGACGGCCATATTGACTTGATCATTTCCCTGACTGGGCTAATGTGACACATATTGAGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_001284509

Insert Size:

1656 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001284509.1</u>
RefSeq Size:	3265 bp
RefSeq ORF:	1656 bp
Locus ID:	284111
UniProt ID:	<u>Q86YT5</u>
Cytogenetics:	17p13.1
Protein Families:	Transmembrane
MW:	61.2 kDa
Gene Summary:	This gene encodes a protein belonging to the solute carrier family 13 group of proteins. This family member is a sodium-dependent citrate cotransporter that may regulate metabolic processes. Mutations in this gene cause early infantile epileptic encephalopathy 25. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014] Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform c), compared to isoform a.