

Product datasheet for **SC309250**

SLC13A5 (NM_177550) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC13A5 (NM_177550) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC13A5
Synonyms:	DEE25; EIEE25; INDY; mIndy; NACT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_177550 edited
 AGCTGCCCTCACTCGTCTCGCCCGCCAGTCTCCCTCCCGCGGATGGCCTCGGCCTGA
 GCTATGTCTCAAAGTTCAAGTCTTCGTGATCTTGTTCGTACCCCGCTCCTGCTGCTGC
 CACTCGTCATTCTGATGCCCGCAAGTTTGTCAAGTGTGCTACGTACATCATCTCATGG
 CCATTTACTGGTGACAGAAGTCATCCCTCTGGCTGTACCTCTCTCATGCCTGTCTTGC
 TTTTCCCCTCTCCAGATTCTGGACTCCAGGCAGGTGTGTCCAGTACATGAAGGACA
 CCAACATGGCTGTTCCCTGGCGGCTCATCGTGGCCGTGGCTGTGGAGCGTGGAACCTGC
 ACAAGAGGATCGCCCTGCGCACGCTCCTCTGGGTGGGGGCAAGCCTGCACGGCTGATGC
 TGGGCTTCATGGGCGTACAGCCCTCCTGTCCATGTGGATCAGTAAACACGGCAACCACGG
 CCATGATGGTGCCCATCGTGGAGGCCATATTGCAGCAGATGGAAGCCACAAGCGCAGCCA
 CCGAGGCCGGCTGGAGCTGGTGGACAAGGGCAAGGCCAAGGAGCTGCCAGGGAGTCAAG
 TGATTTTTGAAGCCCCACTCTGGGCGAGCAGGAAGACCAAGAGCGGAAGAGTTGTGTA
 AGGCCATGACCCTGTGCATCTGCTACGCGGCCAGCATCGGGGACCCGCCACCCTGACCG
 GGACGGGACCAACGTGGTGTCTCTGGCCAGATGAACGAGTTGTTTCTGACAGCAAGG
 ACCTCGTGAACCTTGTCTCTGGTTTGCATTTGCCTTTCCAACATGCTGGTGTGCTGC
 TGTTCGCCTGGCTGTGGCTCCAGTTTGTACATGAGATTCAATTTAAAAAGTCCCTGGG
 GCTGCGGGCTAGAGAGCAAGAAAAACGAGAAGGCTGCCCTCAAGGTGCTGCAGGAGGAGT
 ACCGGAAGCTGGGGCCCTTGTCTTCGCGGAGATCAACGTGCTGATCTGCTTCTTCTGCT
 TGGTATCCTGTGGTCTCCCGAGACCCCGGCTTCATGCCCGGCTGGCTGACTGTTGCCT
 GGGTGGAGGGTGAACAAAGTATGTCTCCGATGCCACTGTGGCCATCTTTGTGGCCACCC
 TGCTATTCATTGTGCCTCACAGAAGCCCAAGTTAACTCCGCAGCCAGACTGAGGAAG
 AAAGGAAAACCTCATTATCCCTCCCTGCTGGATTGGAAGGTAACCCAGGAGAAAAG
 TGCCCTGGGGCATCGTGTGCTACTAGGGGGCGGATTTGCTCTGGCTAAAGGATCCGAGG
 CCTCGGGGCTGTCCGTGTGGATGGGAAGCAGATGGAGCCCTTGACGCAGTGCACCCCGG
 CAGCCATCACCTTGATCTGTCTTGTCTGTTGCCGTGTTCACTGAGTGCACAAGCAACG
 TGGCCACCACCCTTGTCTGCCATCTTGCCTCCATGTCTCGCTCCATCGGCCTCA
 ATCCGCTGTACATCATGTGCTGCCCTGTACCCTGAGTGCCTCCTTTGCCTTCATGTTGCCTG
 TGGCCACCCTCCAAATGCCATCGTGTTCACCTATGGGCACCTCAAGGTTGCTGACATGG
 TGAACACAGGAGTCATAATGAACATAATTGGAGTCTTCTGTGTGTTTTGGCTGTCAACA
 CCTGGGGACGGGCATATTTGACTTGGATCATTTCCCTGACTGGGCTAATGTGACACATA
 TTGAGACTTAGGAAGAGCCACAAGACCACACACAGCCCTTACCCTCCTCAGGACTACC
 GAACCTTCTGGCACCTTGTACAGAGTTTGGGGTTCACACCCAAAATGACCCAACGA
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- Restriction Sites:** Please inquire
- ACCN:** NM_177550
- Insert Size:** 1900 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:	<ol style="list-style-type: none">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_177550.2, NP_808218.1</u>
RefSeq Size:	3248 bp
RefSeq ORF:	1707 bp
Locus ID:	284111
UniProt ID:	<u>Q86YT5</u>
Cytogenetics:	17p13.1
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>