

## Product datasheet for **SC306087**

### SLC7A13 (NM\_138817) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC7A13 (NM_138817) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC7A13
Synonyms:	AGT-1; AGT1; XAT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC306087 representing NM\_138817.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATAGAGGGGAGAAAATACAGCTCAAGAGAGTGTGGATATTGGTGGGGCACAAGTTTTTTGCTT
ATTAATATCATTGGTGCAGGAATTTTGTGTCCCAAGGTGTGGTGGCATACTTTGCATGAACGTG
GGAGTCTCCCTGTGCGTTTGGGCTGGCTGTGCCACTGGCCATGACATCAACTCTTGGCTGCAGAG
ATAAGTATAAGCTTCCCATGCAGTGGAGCTCAATACTATTTTCTCAAGAGATACTTTGGCTCCACGGTT
GCTTTTTGAATCTCTGGACATCCTTGTCTGGGGTCAAGGGTGTGGTGGCCAAAGCTGCTCCTT
GCTGAGTACAGCATCCAGCCTTTTTTCCAGCTGCTCTGTCCAAAGCTGCCTAAGAAATGTCTGGCA
TTGGCCATGTTGTGGATTGTAGGAATCTGACTTCTCGTGGTGTGAAAGAAGTACTTGGCTTCAAGATA
GCTAGCTCAGTGTGAAAGTGTCCATACTAGCTTCATTCCTAACTGGAGTAGTGTCTGATAAGA
GGGAAAAAGGAGAATGTAGAACGATTTCCAGATGCTTTTGTGCTGAACCTCCAGATATCTCACCTT
ATACAAGCCATCTCCAAGGATATTTGCATATTCAGGCGGGGCATGCTTACACTTATAGCAGGGGAG
CTGAAGAAGCCCAGAACAACAATTTCCAAATGCATATTTACTGCGTTACCTCTGGTACTGTAGTTTAT
TTACTGGTTAACATTTCCATCTGACTGTTCTGACACCCAGGAAATTTCTCTTTCAGATGCTGTAGCT
ATCACATGGGCTGATCGAGCTTTTCCCTCATTAGCATGGATTATGCCTTTTGCTATTTTACCTCATT
TTAGCAACCTTCTGATTCTATATTTAAATCATCGAGACCAATATATCTTGCAAGCCAAGAGGGCCAG
CTGCCTTTGCTATTTAATACTTAATAGTCACTTCTCCATTTACAGCTGTGCTACTACTTGTCACT
TTGGGATCCCTTGCAATTATCTTAACAAGTCTAATTGATTTGATAAACTATTTTTTTCACGGGTTCA
TTATGGTCTATATTTAATGATAGGAATACTAAGGCGGAGATACCAGGAACCAATCTATCTATACCT
TATAAGGTGTTTTGTGCTTTCCATTAGCAACAATAGTCATCGACGTGGGCTTGGTGTGATACCATTTG
GTAAAGTCTCCAATGTGCAATTATGTCTACGTGCTTCTGTTAGTTCTCAGCGGATTACTATTTTACATA
CCTTTAATACATTTTAAATAAGATTGGCTTGGTTTGAAGATGACTTGTATTTACAATTACTATTT
AATATTTGCCTCCCTGATGTGTCTGAGGAATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_138817
- Insert Size:** 1413 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:** [NM\\_138817.2](#)

**RefSeq Size:** 1865 bp

**RefSeq ORF:** 1413 bp

**Locus ID:** 157724

**UniProt ID:** [Q8TCU3](#)

**Cytogenetics:** 8q21.3

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 52.1 kDa

**Gene Summary:** Mediates the transport L-aspartate and L-glutamate in a sodium-independent manner.  
[UniProtKB/Swiss-Prot Function]