SLC7A13 cDNA Clone – Solute Carrier Family 7, (Cationic Amino Acid Transporter, Y+ System) Member 13 (Human)

PRODUCT OVERVIEW

Product Name	SLC7A13, cDNA Clone
Full Product Name	SLC7A13 cDNA Clone
Product Gene Name	SLC7A13 cdna clone
Sequence	ATGGATAGAG GGGAGAAAAT ACAGCTCAAG AGAGTGTTTG GATATTGGTG GGGCACAAGT TTTTTGCTTA TTAATATCAT TGGTGCAGGA ATTTTTGTGT CCCCCAAAGG TGTGTTGGCA TACTCTTGCA TGAACGTGGG AGTCTCCCTG TGCGTTTGGG CTGGCTGTGC CATACTGGCC ATGACATCAA CTCTTTGCTC TGCAGAGATA AGTATAAGCT TCCCATGCAG TGGAGCTCAA TACTATTTTC TCAAGAGATA CTTTGGCTCC ACGGTTGCTT TTTTGAATCT CTGGACATCC TTGTTTCTGG GGTCAGGGGT AGTTGCTGGC CAAGCTCTGC TCCTTGCTGA GTACAGCATC CAGCCTTTTT TTCCCAGCTG CTCTGTCCCA AAGCTGCCTA AGAAATGTCT GGCATTGGCC ATGTTGTGGA TTGTAGGAAT TCTGACTTCT CGTGGTGTGA AAGAAGTGAC TTGGCTTCAG ATAGCTAGCT CAGTGCTGAA AGTGTCCATA CTTAGCTTCA TTTCCCTAAC TGGAGTAGTG TTCCTGATAA GAGGGAAAAA GGAGAATGTA GAACGATTTC AGAATGCTTT TGATGCTGAA CTTCCAGATA TCTCTCACCT TATACAAGCC ATCTTCCAAG GATATTTTGC ATATTCAGGC GGGGCATGCT TTACACTTAT AGCAGGGGAG CTGAAGAAGC CCAGAACAAC AATTCCCAAA TGCATATTTA CTGCGTTACC TCTGATGACT GTAGTTTATT TACTGGTTAA CATTTCCTAT CTGACTGTTC TGACACCCAG GGAAATTCTC TCTTCAGATG CTGTAGCTAT CACATGGGCT GATCGAGCTT TTCCCTCATT AGCATGGATT ATGCCTTTTG CTATTTCTAC CTCATTATTT AGCAACCTTC TGATTTCTAT ATTTAAATCA TCGAGACCAA TATATCTTGC AAGCCAAGAG GGCCAGCTGC CTTTGCTATT TAATACACTT AATAGTCACT CTTCTCCATT TACAGCTGTG CTACTACTTG TCACTTTGGG ATCCCTTGCA ATTATCTTAA CAAGTCTAAT TGATTTGATA AACTATATTT TTTTCACGGG TTCATTATGG TCTATATTAT TAATGATAGG AATACTAAGG CGGAGATACC AGGAACCCAA TCTATCTATA CCTTATAAGG TGTTTTTGTC ATTTCCATTA GCAACAATAG TCATCGACGT GGGCTTGGTT GTGATACCAT TGGTAAAGTC TCCAAATGTG CATTATGTCT ACGTGCTTCT GTTAGTTCTC AGCGGATTAC TATTTTACAT ACCTTTAATA CATTTTAAAA TAAGATTGGC TTGGTTTGAG AAGATGACTT GCTATTTACA ATTACTATTT AATATTTGCC TCCCTGATGT GTCTGAGGAA TAG
Molecular Weight	48,002 Da
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SLC7A13 cdna clone	MBS1267116 is a cDNA clone targeting SLC7A13.
Other Notes	Small volumes of SLC7A13 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC7A13. It may not necessarily be applicable to this product.

NCBI GI #	115529066
NCBI GeneID	157724
NCBI Accession #	BC125165
UniProt Secondary Accession #	Q05C37; Q08AH9; Q96N84
UniProt Related Accession #	Q8TCU3

NCBI Official Full Name	Homo sapiens solute carrier family 7, (cationic amino acid transporter, y+ system) member 13, mRNA
NCBI Official Synonym Full Names	solute carrier family 7 member 13
NCBI Official Symbol	SLC7A13
NCBI Official Synonym Symbols	AGT1; XAT2; AGT-1
UniProt Protein Name	Solute carrier family 7 member 13
UniProt Synonym Protein Names	Sodium-independent aspartate/glutamate transporter 1; X-amino acid transporter 2
Protein Family	Solute carrier family
UniProt Gene Name	SLC7A13
UniProt Synonym Gene Names	AGT1; XAT2
UniProt Entry Name	S7A13_HUMAN
NCBI Protein Information	solute carrier family 7 member 13
UniProt Comments for SLC7A13	SLC7A13: Mediates the transport L-aspartate and L-glutamate in a sodium-independent manner. Belongs to the amino acid-polyamine-organocation (APC) superfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 8q21.3 Cellular Component: integral to plasma membrane Molecular Function: antiporter activity; L-amino acid transmembrane transporter activity; neutral amino acid transmembrane transporter activity Biological Process: neutral amino acid transport
Research Articles on SLC7A13	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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