SLC12A9 cDNA Clone – Solute Carrier Family 12 (Potassium/Chloride Transporters), Member 9 (Human)

PRODUCT OVERVIEW

Product Name	SLC12A9, cDNA Clone
Full Product Name	SLC12A9 cDNA Clone
Product Gene Name	SLC12A9 cdna clone
Sequence	atggccagcg agagctcacc tctgctggcc taccggctcc tgggggagga gggggttgcc ctccctgcca atggggccgg gggtcctgga ggggcgtctg cccggaagct gtccaccttc ctgggtgtgg tggtgcccac tgtcctgtcc atgttcagca tagttgtttt tctgaggatt gatgccacag ggcccagtgg gctccgggtc ctgccccagg gctacggctg gaacctgctg tatggctccc tgctgctggg ccttgtgggt ggggtctgca ccctgggagc cggcctctat gcccgggcct cattcctcac attcctgctg gtctctggct ccctggcctc tgtgctcatc agttttgtgg ctgtggggcc gagggacatc cgcttgactc ctaggcctgg ccccaatggc tcctccctgc cgccccggtt tggccacttc accggcttca acagcagtac cctgaaggac aacttgggcg ctggctatgc tgaggactac accacgggag ccgtgatgaa ttttgccagc gtctttgctg tcctctttaa cggctgtaca ggcatcatgg ctggggccaa catgtcaggg gagctgaagg accccagccg ggcgatccct ctgggcacga tcgtcgccgt cgcctacacc ttcttcgtct atgtcctgct tttctttctc tccagcttca cttgtgacag gaccctgctg caggaagact atgggttctt ccgcgccatc agcctgtggc ccccactggt gttgatcgga atctatgcca cagcgctctc agcgtccatg agctcgctca ttggtgcctc ccgcatcctc catgccctgg cccgggatga cctctttggc gtgatcttgg caccggccaa ggttgtgtcc cgagggggaa acccctgggc agctgtactt tattcttggg gcctggtgca gctggtgctc ctggctggga agctgaacac actggccgct gtggtcactg tcttctacct ggtggcctat gctgccgtgg acctgtcctg cctgagcctg gagtgggcct cggcccccaa cttccgcccc accttcagcc tgttctcctg gcacacctgc ctgctggggg tggcctcctg cctgctcatg atgttcctca tcagtcctgg cgcggctggt ggctccctgc tcctcatggg tctgctggct gccctgctca ccgcgcgagg aggccccagt agctggggct atgtcagcca ggccttgctt ttccaccagg tgcgtaagta tctgcttcgg ctggacgtcc ggaaggatca cgtgaagttc tggcggcccc agctgctgct cctggtgggg aacccccggg gcgccctgcc tctgctgcgg ttggccaacc agcttaagaa gggggggctg tatgtgctgg gccacgtcac cctgggagac ctcgactccc tgccctcgga ccctgtacag ccgcagtatg gggcatggct cagcctggtg gaccgtgccc aggtgaaggc ttttgtggat ctaaccctct caccctccgt gcgccagggg gctcagcatc tgctgcgaat ctccggcctc gagtcaaact cgcatcccct gccgtga
Molecular Weight	66,429 Da
OMIM	616861
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 SLC12A9 cdna clone	MBS1273751 is a cDNA clone targeting SLC12A9.
Other Notes	Small volumes of SLC12A9 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 SLC12A9. It may not necessarily be applicable to this product.

NCBI GI #	13111796
NCBI GeneID	56996
NCBI Accession #	BC000154
UniProt Secondary Accession #	Q9BWL2; Q9BXP1; Q9BYI0; Q9NQR5; B7Z740; D6W5X0; D6W5X2; F5H8C2
UniProt Related Accession #	Q9BXP2
NCBI Official Full Name	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 9, mRNA

NCBI Official Synonym Full Names	solute carrier family 12 member 9
NCBI Official Symbol	SLC12A9
NCBI Official Synonym Symbols	CCC6; CIP1; WO3.3; hCCC6
UniProt Protein Name	Solute carrier family 12 member 9
UniProt Synonym Protein Names	Cation-chloride cotransporter 6; hCCC6; Cation-chloride cotransporter-interacting protein 1; CCC-interacting protein 1; hCIP1; Potassium-chloride transporter 9; WO3.3
Protein Family	Solute carrier family
UniProt Gene Name	SLC12A9
UniProt Synonym Gene Names	CCC6; CIP1; hCCC6; CCC-interacting protein 1; hCIP1
UniProt Entry Name	S12A9_HUMAN
NCBI Protein Information	solute carrier family 12 member 9
UniProt Comments for SLC12A9	SLC12A9: May be an inhibitor of SLC12A1. Seems to correspond to a subunit of a multimeric transport system and thus, additional subunits may be required for its function. Belongs to the SLC12A transporter family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transporter, SLC family; Transporter; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 7q22 Molecular Function: cation:chloride symporter activity; potassium ion symporter activity; potassium:chloride symporter activity
Research Articles on SLC12A9	**1.** Review summarizes three human disorders that have been linked to the mutation/dysfunction of Na-Cl, Na-K-2Cl, and K-Cl cotransporters (Bartter's, Gitleman's, and Andermann's syndromes).
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