BEND3 cDNA Clone – BEN Domain Containing 3 (Human)

PRODUCT OVERVIEW

Product Name	BEND3, cDNA Clone
Full Product Name	BEND3 cDNA Clone
Product Gene Name	BEND3 cdna clone
Sequence	ATGAACTCAA CTGAATTCAC CGAAGATGTA GAAGAAGTTC TAAAAAGTAT CACTGTGAAA GTGGAGACAG AGGCTGAAGA TGCTGCTCTG GACTGCTCCG TGAATTCCAG GACTTCTGAG AAGCACTCTG TGGACAGCGT CCTCACTGCC CTGCAGGACT CCAGCAAACG AAAGCAGCTG GTCAGCGATG GCCTGCTAGA CTCTGTCCCC GGCGTGAAGA GGAGGCGGCT GATCCCCGAG GCTCTCCTAG CAGGCATGCG GAACCGTGAG AACAGCTCGC CCTGCCAAGG CAATGGTGAG CAGGCCGGCA GGGGCAGGAG CCTGGGCAAT GTGTGGCCTG GAGAGGAGGA GCCCTGCAAC GATGCCACCA CCCCTTCCTA CAAGAAGCCT CTGTATGGCA TCTCGCACAA GATCATGGAG AAGAAGAATC CTCCCTCGGG GGACCTGCTA AACGTGTACG AGCTCTTTGA GAAGGCAAAC GCCAGCAACA GCCCCTCGTC ACTGCGGCTC CTGAATGAGC CACAGAAGCG GGACTGTGGC AGCACCGGGG CAGGCACTGA CAACGACCCC AACATCTACT TCCTGATCCA GAAGATGTTC TACATGCTGA ACACCCTCAC GTCCAACATG TCCCAGCTGC ACAGCAAGGT GGACCTGCTC TCCCTTGAGG TGAGCCGCAT CAAGAAGCAG GTGAGCCCCA CTGAGATGGT GGCCAAATTC CAGCCGCCCC CTGAGTACCA GCTCACAGCC GCAGAGCTCA AGCAGATCGT GGACCAGAGC CTGTCAGGGG GGGACCTGGC CTGCCGCTTG CTGGTGCAGC TCTTCCCCGA GCTCTTCAGC GACGTGGACT TCTCCCGGGG CTGCAGTGCC TGTGGCTTTG CGGCCAAGCG CAAGCTGGAG TCGCTGCACC TGCAGCTCAT CCGCAACTAT GTGGAGGTCT ACTACCCCTC GGTGAAGGAC ACGGCTGTGT GGCAGGCCGA GTGCCTGCCC CAGCTGAACG ACTTCTTCAG CCGCTTCTGG GCCCAGCGGG AAATGGAGGA CAGCCAGCCC AGCGGCCAGG TCGCCAGCTT CTTTGAGGCA GAGCAGGTGG ACCCCGGCCA CTTCCTGGAC AACAAAGACC AGGAGGAGGC CCTGTCTCTT GACCGGAGCA GCACCATCGC CTCAGACCAC GTGGTGGACA CGCAGGACCT CACTGAGTTC CTGGACGAAG CCTCCTCACC AGGCGAGTTT GCCGTCTTCC TCCTCCACCG GCTCTTCCCC GAGCTCTTCG ACCACCGCAA GCTGGGTGAA CAGTACAGCT GCTACGGGGA CGGTGGAAAG CAGGAGCTGG ACCCGCAGCG GCTGCAGATC ATCCGCAACT ACACGGAGAT CTACTTCCCT GACATGCAGG AGGAGGAGGC CTGGCTGCAG CAGTGTGCCC AGCGCATCAA CGACGAGCTC GAGGGCCTGG GGCTGGACGC GGGCAGTGAA GGCGACCCCC CGCGTGATGA CTGCTACGAC TCCTCCAGTC TGCCCGACGA CATCTCAGTG GTCAAGGTGG AGGACAGCTT CGAGGGCGAG CGGCCGGGTC GCCGCTCCAA GAAGATCTGG CTGGTGCCCA TCGACTTCGA CAAGTTAGAG ATCCCCCAGC CTGACTTCGA GGTGCCCGGT GCCGACTGCC TGCTCAGCAA GGAGCAGCTA CGCAGCATCT ACGAGAGCAG CCTGTCCATC GGCAACTTCG CCTCGCGCCT GCTGGTGCAC CTGTTCCCCG AGCTCTTCAC GCACGAGAAC CTGCGCAAGC AGTACAGCTG CAGCGGCTCC CTGGGCAAGA AGCAGCTGGA CCCCTCCCGC ATCAAGCTCA TCCGCCACTA CGTGCAGCTG CTCTACCCAC GCGCCAAAAA CGACCGCGTC TGGACCCTGG AGTTCGTGGG CAAACTGGAT GAGCGCTGCC GGCGCCGGGA CACGGAGCAA AGGCGCTCCT ACCAGCAGCA GCGCAAGGTC CACGTGCCGG GCCCTGAGTG CAGAGACTTG ACCAGCTATG CAATCAACCC CGAGAGGTTC CGGGAGGAGT TTGAGGGGCC CCCACTGCCC CCCGAGAGGA GCAGCAAGGA CTTTTGCAAG ATCCCCTTGG ACGAGCTGGT GGTCCCCTCG CCTGACTTCC CGGTGCCTTC TCCCTACCTG CTGTCTGACA AGGAGGTGCG TGAGATCGTG CAGCAGAGCC TCTCCGTGGG CAACTTTGCC GCCCGGCTCC TCGTCCGCCT GTTTCCCGAA CTCTTCACCG CCGAGAACCT CCGGCTGCAG TACAACCATT CCGGGGCTTG CAACAAGAAG CAACTGGACC CCACGCGGCT GCGGCTCATC CGCCACTACG TGGAAGCCGT CTACCCGGTG GAGAAGATGG AGGAGGTGTG GCACTACGAA TGTATCCCCA GCATCGATGA GAGGTGCCGC CGCCCCAACA GGAAAAAATG CGACATCCTC AAGAAAGCAA AGAAAGTGGA GAAGTGA
Molecular Weight	94,475 Da
OMIM	616374
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 BEND3 cdna clone	MBS1274013 is a cDNA clone targeting BEND3.

Other Notes	Small volumes of BEND3 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 BEND3. It may not necessarily be applicable to this product.

NCBI GI #	124297092
NCBI GeneID	57673
NCBI Accession #	BC131628
UniProt Secondary Accession #	Q9HCL9; A2RRH2
UniProt Related Accession #	Q5T5X7
NCBI Official Full Name	Homo sapiens BEN domain containing 3, mRNA
NCBI Official Synonym Full Names	BEN domain containing 3
NCBI Official Symbol	BEND3
NCBI Official Synonym Symbols	KIAA1553
UniProt Protein Name	BEN domain-containing protein 3
Protein Family	BEN domain-containing protein
UniProt Gene Name	BEND3
UniProt Synonym Gene Names	KIAA1553
UniProt Entry Name	BEND3_HUMAN
NCBI Protein Information	BEN domain-containing protein 3
UniProt Comments for BEND3	BEND3: Involved in transcription repression. {ECO:0000269|PubMed:21914818}. Interacts with HDAC2 and HDAC3, but not HDAC1. Interacts with SALL4. {ECO:0000269|PubMed:21914818} Chromosomal Location of Human Ortholog: 6q21 Cellular Component: nuclear heterochromatin; nucleolus Molecular Function: protein binding; rDNA binding Biological Process: chromatin silencing at rDNA; DNA methylation; negative regulation of transcription from RNA polymerase II promoter
Research Articles on BEND3	**1.** propose that there is a link between binding of BEND3 to the CALR rs138452745 C-allele and removal of NFI binding site from this nucleotide, and the evolution of human-specific higher brain functions
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