CRHBP cDNA Clone – Corticotropin Releasing Hormone Binding Protein (Human)

PRODUCT OVERVIEW

Product Name	CRHBP, cDNA Clone
Full Product Name	CRHBP cDNA Clone
Product Gene Name	CRHBP cdna clone
Sequence	atgtcgccca acttcaaact tcagtgtcac ttcattctca tcttcctgac ggctctaaga ggggaaagcc ggtacctaga gctgagggaa gcggcggact acgatccttt cctgctcttc agcgccaacc tgaagcggga gctggctggg gagcagccgt accgccgcgc tctgcggtgc ctggacatgc tgagcctcca gggccagttc accttcaccg ccgaccggcc gcagctgcac tgcgcagcct tcttcatcag cgagcccgag gagttcatta ccatccacta cgaccaggtc tccatcgact gtcagggcgg cgacttcctg aaggtatttg atggttggat tctcaagggg gagaagttcc ccagttccca ggatcatcct ctcccctcag ctgagcggta catagatttc tgtgagagtg gtcttagcag gaggagcatc agatcttccc agaatgtggc catgatcttc ttccgagtcc atgaaccagg aaatggattc acattaacca taaagacaga ccccaacctc tttccttgca atgtcatttc tcagactcca aatggaaagt ttaccctggt agttccacac cagcatcgaa actgcagctt ctccataatt tatcctgtgg tgatcaaaat atctgatctt accctgggac acgtaaatgg tcttcagtta aagaaatcct cagcaggttg cgagggaata ggagactttg tggagctgct gggaggaact ggattggacc cttccaagat gacgccttta gctgatctct gctacccctt tcatggcccg gcccagatga aagttggctg tgacaacact gtggtgcgca tggtctccag tggaaaacac gtaaatcgtg tgacttttga gtatcgtcag ctggagccgt acgagctgga aaacccaaat ggaaacagta tcggggaatt ctgtttgtct ggtctttga
Molecular Weight	36,144 Da
OMIM	122559
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 CRHBP cdna clone	MBS1272617 is a cDNA clone targeting CRHBP.
Other Notes	Small volumes of CRHBP 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 CRHBP. It may not necessarily be applicable to this product.

NCBI GI #	17390069
NCBI GeneID	1393
NCBI Accession #	BC018038
UniProt Secondary Accession #	Q53F32; Q6FHT5
UniProt Related Accession #	P24387
NCBI Official Full Name	Homo sapiens corticotropin releasing hormone binding protein, mRNA
NCBI Official Synonym Full Names	corticotropin releasing hormone binding protein
NCBI Official Symbol	CRHBP
NCBI Official Synonym Symbols	CRFBP; CRF-BP
UniProt Protein Name	Corticotropin-releasing factor-binding protein
UniProt Synonym Protein Names	Corticotropin-releasing hormone-binding protein; CRH-BP

Protein Family	Corticotropin-releasing factor-binding protein
UniProt Gene Name	CRHBP
UniProt Synonym Gene Names	CRFBP; CRF-BP; CRF-binding protein; CRH-BP
UniProt Entry Name	CRHBP_HUMAN
NCBI Protein Information	corticotropin-releasing factor-binding protein
NCBI Summary for CRHBP	Corticotropin-releasing hormone is a potent stimulator of synthesis and secretion of preopiomelanocortin-derived peptides. Although CRH concentrations in the human peripheral circulation are normally low, they increase throughout pregnancy and fall rapidly after parturition. Maternal plasma CRH probably originates from the placenta. Human plasma contains a CRH-binding protein which inactivates CRH and which may prevent inappropriate pituitary-adrenal stimulation in pregnancy. [provided by RefSeq, Jul 2008]
UniProt Comments for CRHBP	CRHBP: Binds CRF and inactivates it. May prevent inappropriate pituitary-adrenal stimulation in pregnancy. Belongs to the CRF-binding protein family. Protein type: Secreted, signal peptide; Inhibitor; Secreted Chromosomal Location of Human Ortholog: 5q13.3 Cellular Component: dendrite; endoplasmic reticulum; extracellular space; Golgi apparatus; intracellular; microtubule; multivesicular body; nerve terminal; nucleus; perikaryon; secretory granule Molecular Function: corticotropin-releasing hormone binding; peptide binding; protein binding Biological Process: behavioral response to ethanol; cellular response to stress; female pregnancy; hormone-mediated signaling; inflammatory response; learning and/or memory; negative regulation of adrenocorticotropic hormone secretion; regulated secretory pathway; regulation of adrenocorticotropin hormone secretion; signal transduction; synaptic transmission, dopaminergic
Research Articles on CRHBP	**1.** These results suggest that the CRH and CRH-BP genes have no direct effect on Irritable bowel syndrome status.
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