Recombinant Full Length Human CDY2B Protein, GST-tagged

Cat. No. CDY2B-3896HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDY2B full-length ORF (ADR83049.1, 1 a.a. - 541 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	541 amino acids
Description	This intronless gene encodes a protein containing a chromodomain and a histone acetyltransferase catalytic domain. Chromodomain proteins are components of heterochromatin-like complexes and can act as gene repressors. This protein is localized to the nucleus of late spermatids where histone hyperacetylation takes place. Histone hyperacetylation is thought to facilitate the transition in which protamines replace histones as the major DNA-packaging protein. Two nearly identical copies of this gene are found in a palindromic region on chromosome Y; this record represents the centromeric copy. Chromosome Y also contains a pair of closely related genes in another more telomeric palindrome as well as several related pseudogenes. [provided by RefSeq, Jul 2008]
Molecular Mass	59.6 kDa
AA Sequence	MASQEFEVEAIVDKRQDKNGNTQYLVRWKGYDKQDDTWEPEQHLMNCEKCVHDF NRQQTEKQKKLTWTTTSRIFSNNARRRTSRSTKANYSKNSPKTPVTDKHHRSKNCK LFAASKNVRRKAASTLSDTKNMEIINSTIETLAPDSPFDHKKTVSGFQKLEKLDPIAAD

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	QQDTVVFKVTEGKLLRDPLSHPGAEQTGIQNKTQMHPLMSQMSGSVTASMATGSA TRKGIVVLIDPLAANGTTDMHTSVPRVKGGQRNITDDSRGQPFIKKMHFTIRLTESAIT YRDIVVKKEDGFTQIVLSTRSTEKNALNTEVIKEMVNALNSAAADDSKLVLFSAAGSV FCCGLDFGYFVRHLRNDRNTASLEMVDTIKNFVNTFIQFKKPIVVSVNGPAIGLGASIL PLCDLVWANEKAWFQTPYTTFGQSPDGCSSITFPKMMGKASANEMLIAGRKLTARE ACAKGLVSQVFLTGTFTQEVMIQIKELASYNAIVLEECKALVRCNIKLELEQANEREC EVLRKIWSSAQGIESMLKYVENKIDEF
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CDY2B chromodomain Y-linked 2B [Homo sapiens (human)]
Official Symbol	CDY2B
Synonyms	CDY2B; chromodomain Y-linked 2B; CDY; testis-specific chromodomain protein Y 2; Y chromosome chromodomain protein 2B; chromodomain protein, Y chromosome, 2 related; chromodomain protein, Y-linked, 2B; testis-specific chromodomain protein Y protein 2 related; EC 2.3.1.48
Gene ID	203611

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mRNA Refseq	NM_001001722
Protein Refseq	NP_001001722
UniProt ID	Q9Y6F7

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