

Recombinant Human CDY1 protein, His & GST-tagged

Cat. No. CDY1-1658H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDY1 aa. (Met1~Val250 (Accession # Q9Y6F8)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Val250
Description	This 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. The human chromosome Y has two identical copies of this gene within a palindromic region; this record represents the more telomeric copy. Chromosome Y also contains a pair of closely related genes in another more telomeric palindrome as well as several related pseudogenes. Two protein isoforms are encoded by transcript variants of this gene. Additional transcript variants have been described, but their full-length nature has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 61.9kDa

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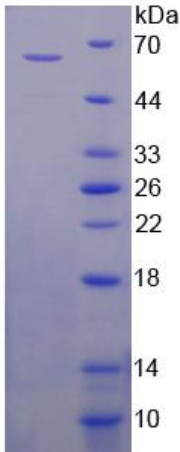
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Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	9.8
GENE INFORMATION	
Gene Name	CDY1 chromodomain Y-linked 1 [Homo sapiens (human)]
Official Symbol	CDY1
Synonyms	CDY1; chromodomain Y-linked 1; CDY; CDY1A; testis-specific chromodomain protein Y 1; chromodomain protein, Y chromosome, 1; chromodomain protein, Y-linked, 1; testis-specific chromodomain protein on Y

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Gene ID	9085
mRNA Refseq	NM_004680.2
Protein Refseq	NP_004671.1
UniProt ID	Q9Y6F8
SDS-PAGE	 15% SDS-PAGE