



Recombinant Human Testis-specific chromodomain protein Y 1 (CDY1)

Product Code	CSB-EP896545HU
Abbreviation	CDY1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9Y6F8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MASQEFEEVA IVDKRQDKNG NTQYLVRWKG YDKQDDTWEP EQHLMNCEKC VHDFNRRQTE KQKCLTWTTT SRIFSNNARR RTSRSTKANY SKNSPKTPVT DKHHRSKNRK LFAASKNVRR KAASILSDTK NMEIINSTIE TLAPDSPFDH KTVSGFQKLE KLDPIAADQQ DTVVFKVTEG KLLRDPLSRP GAEQTGIQNK TQIHPLMSQM SGSVTASMAT GSATRKGIVV LIDPLAANGT TDMHTSVPRV KGGQRNITDD SRDQPFIKKM HFTIRLTESA STYRDIVVKK EDGFTQIVLS TRSTEKNALN TEVIKEIVNA LNSAAADDSK LVLFSAAAGSV FCCGLDFGYF VKHLRNNRNT ASLEMVDTIK NFVNTFIQFK KPIVVSVNGP AIGLGASILP LCDLVWAN EK AWFQTPYTTT GQSPDGCSSI TFPKMMGKAS ANEMLIAGRK LTAREACA K LVSQVFLTGT FTQEVMIIQIK ELASYNPIVL EECKALVRCN IKLELEQANE RECEVLRKIW SSAQGIESML KYVENKIDEF
Source	E.coli
Target Names	CDY1
Protein Names	Recommended name: Testis-specific chromodomain protein Y 1 EC= 2.3.1.48
Expression Region	1-540
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.