



Recombinant Human Histone deacetylase 7 (HDAC7), partial

Product Code	CSB-EP010243HU-B
Abbreviation	HDAC7
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.	Q8WUI4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDLRVGQRPP VEPPPEPTLL ALQRPQRLHH HLFLAGLQQQ RSVEPMRLSM DTPMPELQVG PQEQELRQLL HKDKSKRSAV ASSVVKQKLA EVILKKQQA LERTVHPNSP GIPYRTLEPL ETEGATRSML SSFLPPVPSL PSDPPEHFPL RKTVSEPNLK LRYKPKKSLE RRKNPLL RKE SAPPSLRRRP AETLGDSSPS SSSTPASGCS SPNDSEHGPN PILGSEALLG QRLRLQETSV APFALPTVSL LPAILGLPA PARADSDRRT HPTLGPRGPI LGSPHTPLFL PHGLEPEAGG TLPSRLQPIL LLDPSGSHAP LLTVPGLGPL PFHFAQSLMT TERLSGSGLH WPLSRTRSEP LPPSATAPPP PGPMQPRLEQ LKTHVQVIKR SAKPSEKPRL RQIPSAEDLE TDGGGPGQVV DDGLEHRELG HGQPEARGPA PLQQHPQVLL WEQQRLAGRL PRGSTGDTV LPLAQGGHRP LSRAQSSPAA PASLSAPEPA SQARVLSSE TPARTLPFTT GLIYDSVMLK HQCSCGDNSR HPEHAGRIQS IWSRLQERGL RSQCECLRGR KASLEELQSV HSERHVLLYG TNPLSRLKLD NGKLAGLLAQ RMFVMLPCGG VGVDTDTIWN ELHSSNAARW AAGSVTDLAF KVASRELKNG FAVVRPPGHH ADHSTAMGFC FFNSVAIACR QLQQQSKASK ILIVDWDVHH GNGTQQTFYQ DPSVLYISLH RHDDGNFFPG SGAVDEVGAG SGEGFNVNVA WAGGLDPPMG DPEYLAAFRI VVMPIAREFS PDLVLVSAGF DAAEGHPAPL GGYHVS AKCF GYMTQQLMNL AGGAVVLALE GGHDLT AICD ASEACVAALL GNRVDPLSEE GWKQKPNLNA IRSLEAVIRV HSKYWGCMQR LASCPSWVP RVPGADKEEV EAVTALASLS VGILAEDRPS EQLVEEEEPM NL
Source	E.coli
Target Names	HDAC7
Protein Names	Recommended name: Histone deacetylase 7 Short name= HD7 EC= 3.5.1.98 Alternative name(s): Histone deacetylase 7A Short name= HD7a
Expression Region	1-952
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	Partial
Target Details	<p>Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. This protein has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.</p>
Reconstitution	<p>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.</p>
Shelf Life	<p>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.</p>