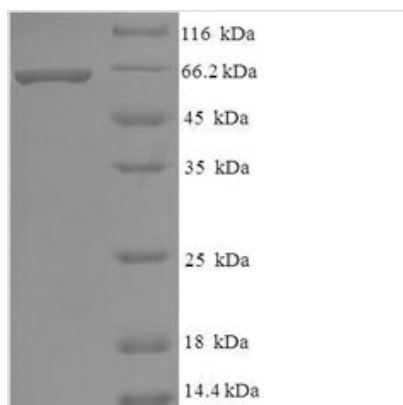




# Recombinant Human Histone deacetylase 8 (HDAC8)

<b>Product Code</b>	CSB-EP010244HU
<b>Relevance</b>	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin. May play a role in smooth muscle cell contractility.
<b>Abbreviation</b>	Recombinant Human HDAC8 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9BY41
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRASMVHSLIEAYALHKQ MRIVKPKVASMEEMATFHTDAYLQHLQKVSQEGDDHPDSIEYGLGYDCPAT EGIFDYAAAIGGATITAAQCLIDGMCKVAINWGGWHHAKKDEASGFCYLND VLGILRLRRKFERILYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTG DVSDVGLGKGRYYSVNPIQDGIQDEKYYQICESVLKEVYQAFNPKAVVLQLG ADTIAGDPMCSFNMTVPVGIGKCLKYILQWQLATLILGGGGYNLANTARCWTYL TGVILGKTLSSSEIPDHEFFTAYGPDYVLEITPSCRPRNEPHRIQQILNYIKGNLKHVV
<b>Research Area</b>	Transcription
<b>Source</b>	E.coli
<b>Target Names</b>	HDAC8
<b>Expression Region</b>	1-377aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	57.8kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### 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.