

**HDAC8, 1-377aa, Human, His tag, sf9**

**Cat.NO.: TP02421**

---

3th Edition

**Synonyms:**Histone deacetylase 8, CDA07, HD8, HDACL1, RPD3.

**Description:**HDAC8, also known as histone deacetylase 8, belongs to class 1 of the histone deacetylase/acuc/apha family. This protein is biologically involved in skull morphogenesis and metabolic control of the ERR-alpha/PGC1-alpha transcriptional complex. 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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

**Molecular Weight:**42.6 kDa (383aa)

**Sequences:**

MEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRASMVHSLIEAYALHKQMRIVKPKVASMEEMATFHTDAYLQ  
HLQKVSQEGDDDDHPDSIEYGLGYDCPATEGIFDYAAAIGGATITAAQCLIDGMCKVAINWSSGGWHHAKKDEASGFC  
YLNDAVLGILRLRRKFERILYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSVNV  
PIQDGIQDEKYYQICESVLKEVYQAFNPKAVVLQLGADTIAGDPMCSFNMTVPVGIGKCLKYILQWQLATLILGGGGY  
NLANTARCWYLTGVILGKTLSSSEIPDHEFFTAYGPDYVLEITPSCRPRNPHRIQQILNYIKGNLKHVVHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.