

## HDAC8 Human

**Description:** HDAC8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 383 amino acids (1-377) and having a molecular mass of 42.6kDa. HDAC8 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-217

For research use only.

**Synonyms:** Histone deacetylase 8, HD8, HDAC8, HDACL1, CDA07, RPD3.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MEEPEEPADS GQSLVPVYIY SPEYVSMCDS LAKIPKRASM  
VHSLIEAYAL HKQMRIVKPK VASMEEMATF HTDAYLQHLQ KVSQEGDDDH PDSIEYGLGY  
DCPATEGIFD YAAAIGGATI TAAQCLIDGM CKVAINWSSG WHHAKKDEAS GFCYLNDVAVL  
GILRLRRKFE RILYVDLDLH HGDGVEDAFS FTSKVMTVSL HKFSPGFFPG TGDVSDVGLG  
KGRYYSVNVP IQ

**Purity:** Greater than 80% as determined by SDS-PAGE.

**Formulation:**

The HDAC8 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Histone deacetylase 8 (HDAC8) is a member of the class 1 of the histone deacetylase/acuc/apha family. HDAC8 is biologically involved in skull morphogenesis and metabolic control of the ERR-alpha/PGC1-alpha transcriptional complex. Histones play a key role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation modifies chromosome structure and affects transcription factor access to DNA.

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