

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 CKVAINWSGG 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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