

## HDAC11 Protein, Human, Recombinant (GST)

### General Information

Synonyms: Histone deacetylase 11;HD11;HDAC11

Protein Construction: 1-347 aa

Species: Human

Expression Host: E. coli

Accession: Q96DB2

Molecular Weight: 66.2 kDa (predicted)

AA Sequence: MLHTTQLYQHVPETRWPIVYSPRYNITFMGLEKLHPFDAGKWGKVINFLKEEKLLSDSMLVEAREASEEDLLV  
VHTRRYLNELKWSFAVATITEIPPVIFLPNFLVQRKVLRLRQTGGTIMAGKLAVERGWAINVGGGFHHCSSD  
RGGGFCAAYADITLAIKFLFERVEGISRATIIDLDAHQGNNGHERDFMDDKRVIYIMDVYNRHIYPGDRFAKQAIRR  
KVELEWGTEDDEYLDKVERNIKSLQEHLDPDVVYNAGTDILEGDRLGGLSISPAGIVKRDELVFRMVRGRRVP  
ILMVTSGGYQKRTARIIADSILNLFGLLIGPESPSVSAQNSDTPLLPAPV

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481