HDAC1 (Histone Deacetylase 1)

CATALOG NO.: KDA-21-365

DESCRIPTION: Human recombinant HDAC1 (residues 1-482 (full-length); Genbank Accession # NM_004964.2; MW = 57.2 kDa) expressed with a C-terminal FLAG-His tag in S/21 insect cells.

PURITY: >70% by SDS-PAGE

SUPPLIED AS: _µg/µL in 50 mM Tris/HCl, pH 7.5, 500 mM NaCl, 10% glycerol (v/v)

STORAGE: -70°C. Thaw quickly and store on ice before use. The remaining, unused, undiluted protein should be snap frozen, for example in a dry ice ethanol bath or liquid nitrogen. Minimize freeze/thaws if possible, but very low volume aliquots (<5 µl) or storage of diluted enzyme is not recommended.

Assay of HDAC1 Lysine Deacetylase Activity. Reactions were 60 min., 37°C with 50 µM RHK-K(Ac)-AMC as substrate. Fifty µL reactions were performed in a white 96-well plate (Corning 3992) and fluorescence read, after development, in a ‘Fluoroskan Ascent FL’ fluorimeter (Thermo). Slope of the plot (193.05 AFU/nM/60 min.) corresponds to a turnover number of 5.65 min⁻¹ or a specific activity of 98.8 pmol/min/µg under these conditions. (Calculated from an AMC standard curve, slope = 569 AFU/µM.)