

# PRODUCT DATASHEET

## HDAC 4

(Histone deacetylase 4)

#### CATALOG NO.: KDA-21-279

#### LOT NO.:

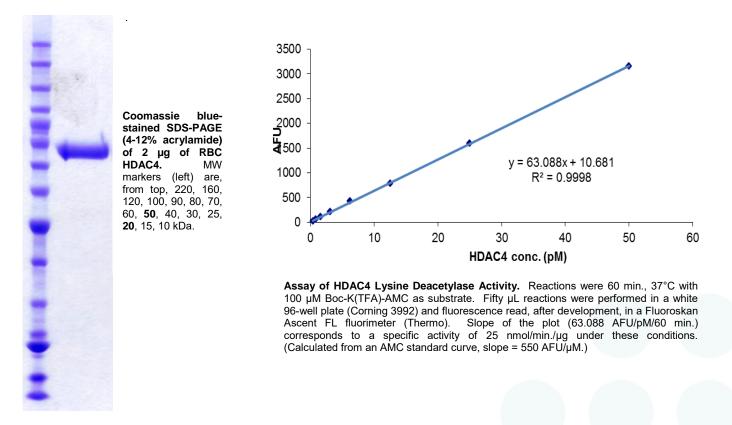
**DESCRIPTION:** Human recombinant HDAC4 (residues 627-1084; Genbank Accession # NM\_006037; MW = 76.9 kDa) expressed in insect cells with both a N-terminal GST-fusion tag and a C-terminal His tag.

**PURITY:** >95% by SDS-PAGE

**ASSAY CONDITIONS:** RBC's HDAC4 displays lysine deacetylase activity in an endpoint, trypsin-coupled reaction with a fluorogenic substrate. The deacetylation reaction is performed in 50 mM Tris-HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl<sub>2</sub>, 1 mg/ml BSA, with Boc-K(Ac)-AMC as substrate (see Figure below). The reaction is terminated and fluorescence signal (Ex. 360 nm/Em. 460 nm) developed (~30 min.) by addition of an equal volume of 2 uM trichostatin A, 16 mg/mL trypsin in 50 mM Tris-HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl<sub>2</sub>.

SUPPLIED AS: \_ µg/µL in 50 mM Tris HCl, pH 7.5, 500 mM NaCl, 10% glycerol as determined by OD<sub>280.</sub>

**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.



This product is not intended for therapeutic or diagnostic use in animals or in humans.

### Reaction Biology

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