

## Data Sheet

### HDAC 6 (H216A)

Human, recombinant, N-terminal GST tag

**Catalog #:** AMS.50046

Lot #: 120423      Conc.: 0.65 mg/ml

**Formulated in:** 50 mM Tris-HCl, pH 7.5, 500 mM NaCl, 50 mM KCl, 2 mM EDTA, 10% glycerol, and 2 mM DTT.

**Stability:** >6 months at -80°C

**Reference:**

1. Li S. *et al.*, *Neurology*. **41(2)**, 112-6 (2010).
2. Strausberg, R.L. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.* **99 (26)**, 16899-16903 (2002).

**Description:**

Human HDAC6 with H216A mutation (GenBank Accession No. NM\_006044), full length with N-terminal GST tag, MW= 161 kDa, expressed in a baculovirus expression system. Protein was purified by affinity chromatography and gel filtration.

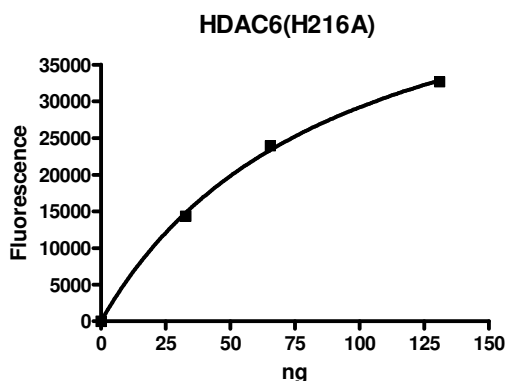
**Specific Activity:** 570 pmol/min/μg

Assay condition: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl<sub>2</sub>, and 0.1 mg/ml BSA, 20 μM BPS HDAC substrate 3 (Catalog #50037), and HDAC6. Incubation condition: 30 min at 37°C. Development: 15 min at room temperature.

**Application:**

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

### Quality Assurance



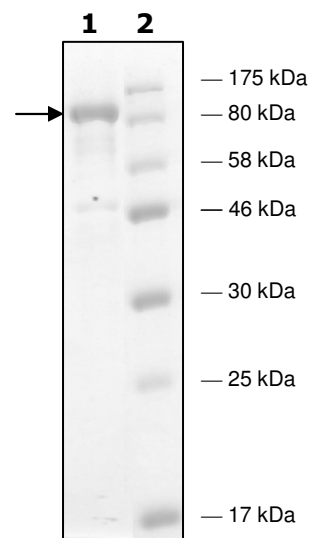
**4-20% SDS-PAGE  
Coomassie staining**

**Lane 1:**  
3 μg HDAC 6 (H216A)

**Lane 2:**  
Protein Marker  
BioLabs (#P7708L)

**MW:** 161 kDa

**Purity:** ≥75%



**Protein Sequence:**

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYI  
DGDVKLTQSMAIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRIAYSKDFETLK  
VDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLV  
CFKKRIEAIQIDKYLKSSKYIAWPLQGQWQATFGGGDHPPKSDPMGHHHHHGRRA  
SVAAGILVPRGSPGLDGIYARGIQMTSTGQDSTTTRQRRSRQNPQSPQDSSVTSKRN  
IKKGAVPR SIPNLAEVKKGKMKLQAMEEDLIVGLQGMDLNLEAEALAGTGLVLD  
EQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCVSFQARFAEKEELMLVHSLEY  
IDLMETTQYMNELRVLADTYDSVYLHPNSYSCACLASGSVLRVDAVLGAEIRNG  
MAIRPPGHAAQHSLMDGYCMFNHVAARYAQQKHRIRRVLIVDWDVHHGQGTQFT  
FDQDPSVLYFSIHRYEQGRFWPHLKASNWSTTFGGGGQYINVPWNQVGMRDADY  
IAAFLHVLLPVALEFQPQLVLAAGFDALQGD PKGEMAATPAGFAQLTHLLMGLAGG  
KLILSLEGGYNLRALAEVGSASLHTLLGDPCPMLESPGAPCRSAQASVSCALEALEP  
FWEVLVRSTETVERDNMEEDNVEESEEEGPEPPVLPILTWPVLQSRTGLVYDQNM  
MNHCLNWDSSHPEVPQRILRIMCRLEELGLAGRCLTTPRPATEAELLTCHSAEYVG  
HLRATEKMKTRELHRESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAV  
VRPPGHAEQDAACGFCFFNSVAVAAARHAQTISGHALRILVDWDVHHGNGTQHMFE  
DDPSVLVSLHRYDHGTFPPMGDEGASSQIGRAAGTGFTVNV AWNGPRMGDADYLA  
AWHRLVLP IAYEFNPELVLSAGFDAARGDPLGGCQVSPEGY AHLTHLLMGLASGRIL  
LILEGGYNLTSISESMAACTRSLLDPPPLTLPRPPLSGALASITETIQVHRRYWRSL  
RVMKVEDREGPSSSKLVTKKAPQPAKPRLAERM TTKKVVLEAGMGKVTSASFGE  
STPGQTNSETAVVALTQDQPSEAAATGGATLAQTISEAAIGGAMLGQTTSEEAVGGAT  
PDQTTSEETVGGAILDQTTSEDAVGGATLGQTTSEEAVGGATLAQTTSEAMEGATL  
DQTTSEEAPGGTELIQTPLASSTDHQTPTSPVQGTTPQISPSTLIGSLRTLELGSSEQ  
GASESQAPGEENLLGEAAGGQDMADSMMLMQGSRGLTDQAIFYAVTPLPWCPLVA  
VCIPIAAGLDVTQPCGDCGTIQENWVCLSCYQVYCGRYINGHMLQH HNSGHPLVLS  
YIDLSAWCYQCAYVHHQALLDVKNIAHQNKFGEDMPHPH

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