UBPBio
12635 E. Montview Blvd. Ste 100
Aurora, CO 80045, USA
Fax: 1-800-682-6801
Email: info@ubpbio.com
www.ubpbio.com

HA-Ub-VME

Cat. # M1010

Quantity: 25 µg

Species: Human

Source: Synthetic

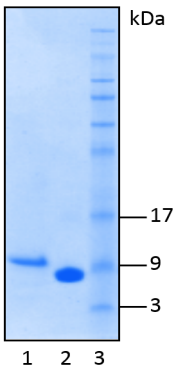
MW: 9913 Da

Form: Lyophilized powder

Quality Assurance: ≥95% by RP-HPLC

Description: A potent, irreversible and specific inhibitor of deubiquitinating enzymes (DUBs) that is prepared by chemical synthesis. It is N-terminally tagged with an HA-tag (YPYDVPDYA), which allows for sensitive identification or purification of DUBs since it is specifically recognized by anti-HA antibodies. The HA tag is separated from the Ub N-terminus by two aminohexanoic acid (Ahx) linkers for efficient recognition of the HA tag.

Image:



Coomassie-stained SDS-PAGE
Lane 1: HA-Ub-VME
Lane 2: Ubiquitin
Lane 3: Molecular weight markers

Storage: Powder at −20°C; solution at −80°C. Avoid multiple freeze/thaw cycles.

Sample Preparation (Important!):

1) Centrifuge the tube at 10,000 xg for 2 min to pellet the powder.
2) Dissolve the powder in a small amount of DMSO (e.g. 25 µg powder in 1 µL DMSO). Vortex the tube to completely dissolve the powder. Keep under room temperature for 5 min, and then centrifuge under room temperature at 10,000 xg for 2 min to collect solution to the tube bottom.
3) Add 49 µL colde buffer (such as 20 mM Tris, pH 7.2, 150 mM NaCl and 10% glycerol) directly into the tube bottom in once, and pipette up and down to mix (avoid generating bubbles and note the order of addition).
4) The stock solution is 0.5 µg/µL (50 µM). Working concentrations vary from 100 nM – 2 µM.

Literature:

1. de Jong *et al.* , (2012) ChemBioChem 13, 2251.
2. Borodovsky *et al.* , (2001) EMBO J. 20, 5187.
3. Borodovsky *et al.* , (2002) Chemistry and Biology 9, 1149.
4. El Oualid *et al.* , (2010) Angew. Chem. Int. Ed. 49, 10149.