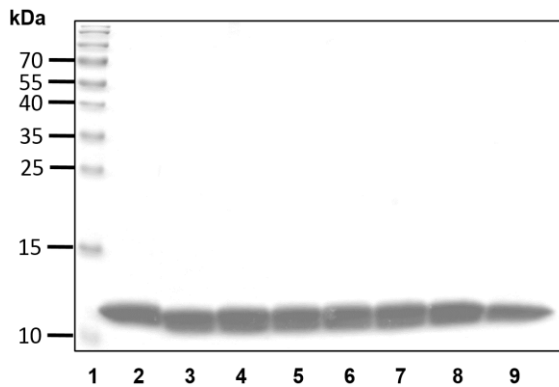


# 6xHis-Ubiquitin (K6 only)

Cat. # E1820

**Also Known as:** 6xHis-[K6-only]Ub  
**NCBI Reference:** N/A  
**MW (no tag):** 8.5 kDa  
**Species:** Human  
**Source:** Bacterial recombinant  
**Tag:** 6xHis  
**Stock Buffer:** 20 mM Tris, pH7.6 at 4 °C, 150 mM NaCl, 2 mM βME, 10% Glycerol  
**Concentration:** See tube label  
**Quality Assurance:** ~95% by SDS-PAGE

**Image**



Coomassie-stained SDS-PAGE  
 Lane 1: Molecular weight markers  
 Lane 2: 5 µg purified 6xHis-Ubiquitin (K0)  
 Lane 3: 5 µg purified 6xHis-Ubiquitin (K6 only)  
 Lane 4: 5 µg purified 6xHis-Ubiquitin (K11 only)  
 Lane 5: 5 µg purified 6xHis-Ubiquitin (K27 only)  
 Lane 6: 5 µg purified 6xHis-Ubiquitin (K29 only)  
 Lane 7: 5 µg purified 6xHis-Ubiquitin (K33 only)  
 Lane 8: 5 µg purified 6xHis-Ubiquitin (K48 only)  
 Lane 9: 5 µg purified 6xHis-Ubiquitin (K63 only)

**Description:** Ubiquitin (Ub) is a 76 amino acid protein widely expressed in the cytoplasmic and nucleus of cells. Ub is posttranslationally conjugated to proteins by the E1, E2, E3 protein ubiquitination cascade. Ub can be conjugated on proteins as monoUb or polyUb chains. Protein ubiquitination plays both proteolytic and nonproteolytic functions. Usually, polyubiquitinated proteins are targeted to the 26S proteasome for proteolysis. Typical concentration to support in vitro ubiquitination is 50-100 µM.

**Storage:** Store at -80°C; avoid multiple freeze-thaw cycles

**Note:** N/A

- Literature:**
1. Hershko A, *et al.* (1980) Proc Natl Acad Sci USA 77(4), 1783 – 1786.
  2. Pickart CM (1997) FASEB 11(13), 1055 – 1066.
  3. Hershko A, *et al.* (1998) Ann Rev Biochem 67, 425 – 479.
  4. Jiang X, *et al.* (2012) Nature Reviews Immunology 12, 35 – 48.
  5. Bremm A, *et al.* (2012) Methods Mol Biol 832, 291 – 228.

