

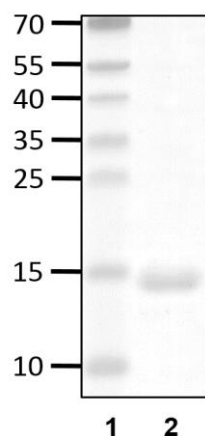
# 6xHis-Ubiquitin (+1)

Cat. # E1320

**Also Known as:** 6xHis-Ub (+1)  
**NCBI Reference:** N/A  
**MW (no tag):** 10.8 kDa  
**Species:** Human  
**Source:** Bacterial recombinant  
**Tag:** 6xHis  
**Stock Buffer:** 20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME, 10% Glycerol  
**Concentration:** See tube label  
**Quality Assurance:** ~95% by SDS-PAGE

Image

kDa



Coomassie-stained SDS-PAGE  
Lane 1: Molecular weight markers  
Lane 2: 5  $\mu$ g purified 6xHis-Ubiquitin (+1)

**Description:** Ubiquitin(+1) consists of the first 75 amino acids of ubiquitin, but lacks glycine 76 because of the deletion of two of the three nucleotides that encode glycine 76. The resulting frame shift leads to the addition of 20 amino acids (YADLREDPDRQDHHPGSGAQ) after glycine 75. Ubiquitin(+1) can not support ubiquitination reactions. When expressed at high levels, it could inhibit proteasomal degradation. Ubiquitin(+1) was also found in protein aggregates in patient brains of Alzheimer's disease and other neurodegenerative diseases.

**Storage:** Store at  $-80^{\circ}\text{C}$ ; avoid multiple freeze-thaw cycles

**Note:** N/A

**Literature:**  
1. van Tijn, P. *et al.* (2007) *J. Cell Sci.* 120:1615.  
2. van Leeuwen FW, *et al.* (2002) *Int J Biochem Cell Biol.* 34(11):1502-5.

