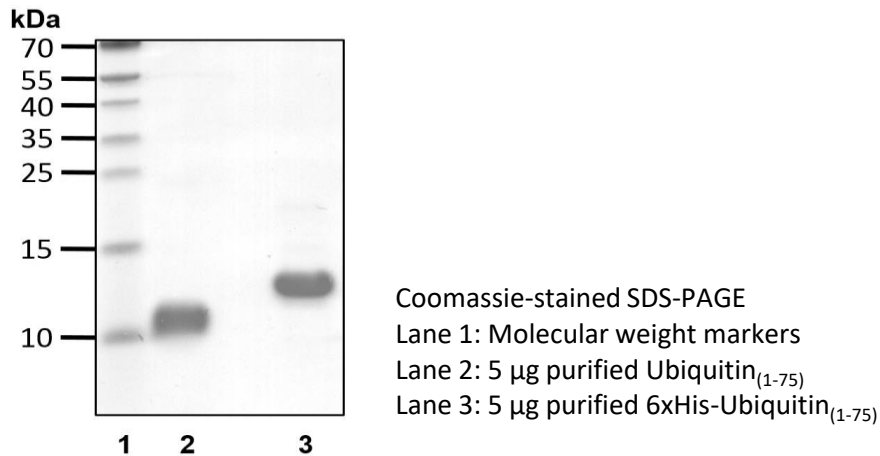


6xHis-Ubiquitin₍₁₋₇₅₎

Cat. # E1310

Also Known as: 6xHis-Ub (1-75)
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



Description: Ub75 lacks the amino acid glycine 76, which is required to form thioester bond with Ub activating enzyme E1. Therefore, Ub75 can not react with E1, E2 and E3 enzymes; and does not support ubiquitination. It can be used as a negative control in ubiquitination reactions; or to assay binding of Ub with Ub binding proteins or ubiquitination enzymes.

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.

