

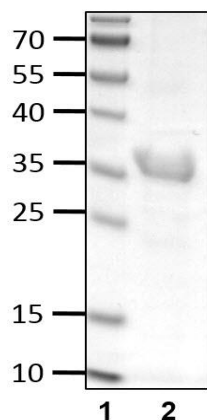
## GST-Ubiquitin<sub>(1-75)</sub>

Cat. # E1210

**Also Known as:** GST-Ub (1-75)  
**NCBI Reference:** N/A  
**MW (no tag):** 8.5 kDa  
**Species:** Human  
**Source:** Bacterial recombinant  
**Tag:** GST  
**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

kDa



Coomassie-stained SDS-PAGE  
Lane 1: Molecular weight markers  
Lane 2: 5 μg purified GST-Ubiquitin<sub>(1-75)</sub>

**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.

