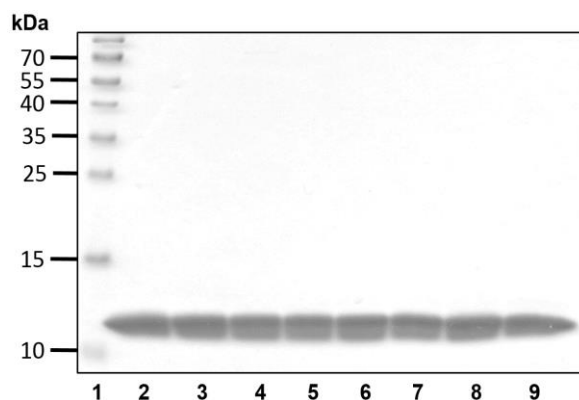


6xHis-Ubiquitin (K48R)

Cat. # E1770

Also Known as:	6xHis-UbK48R
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 (K6R)
Lane 4: 5 μg purified 6xHis-Ubiquitin (K11R)
Lane 5: 5 μg purified 6xHis-Ubiquitin (K27R)
Lane 6: 5 μg purified 6xHis-Ubiquitin (K29R)
Lane 7: 5 μg purified 6xHis-Ubiquitin (K33R)
Lane 8: 5 μg purified 6xHis-Ubiquitin (K48R)
Lane 9: 5 μg purified 6xHis-Ubiquitin (K63R)

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.

