

Recombinant Full Length Human Ubiquitin Protein, GST tagged

Cat. No. Ubiquitin-18HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

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 μ M. This product can be used for pulldwon assay to determine ubiquitin-binding proteins.

Species

Human

Source

E.coli

Molecular Mass

8.5 kDa

Purity

~90% by SDS-PAGE, see datasheet for gel image

Storage

Store at -80 centigrade; avoid multiple freeze-thaw cycles

Storage Buffer

20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol

Shipping

Dry ice

Reference

1. Herskho A, et al. (1980) Proc Natl Acad Sci USA 77(4), 1783 – 1786. 2. Pickart CM (1997) FASEB 11(13), 1055 – 1066. 3. Herskho A, et al. (1998) Ann Rev Biochem 67,

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