



Recombinant Human 6xHis-Ubiquitin (6xHis-Ubi)

Catalog #MB7018

Product Description

Ubiquitin (Ub) is a 76-amino-acid protein that mediates post-translational modification of target proteins through the E1–E2–E3 ubiquitination cascade. Ub can be attached to substrates as monoubiquitin or polyubiquitin chains, regulating diverse cellular processes including proteasomal degradation, protein trafficking, and signal transduction. Polyubiquitinated proteins are often targeted to the 26S proteasome for degradation. This recombinant ubiquitin protein contains an N-terminal 6×His tag and a thrombin cleavage site for convenient purification and downstream applications. Recommended concentration for in vitro ubiquitination reactions is 50–100 µM.

Specifications

Synonyms:	Ub, Ubi, Ubiquitin
AA Sequence:	MGSSHHHHHH SSGLVPRGSH MQIFVKTLTG KTITLEVEPS DTIENVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN IQKESTLHLV LRLRGG
Source:	<i>Escherichia coli</i>
Molecular Weight:	10.7 kDa, a single non-glycosylated polypeptide chain containing 96 amino acids
Purity	> 90%

Lyophilize Formular

10 mM Tris-HCl, pH 7.5.

Quality Control

The purity of 6xHis-Ubi was verified by SDS-PAGE.

Product Use

ScienCell's 6xHis-Ubi is for research use only. It is not approved for human or animal use, or for application in clinical or in vitro diagnostic procedures.

Shipping and Storage

The product is shipped on dry ice. Upon receipt, store at -20°C in a manual defrost freezer.