



Recombinant Human OTUB1
(6xHis-OTUB1)
 Catalog #MB7808

Product Description

Recombinant Human OTUB1 is a highly specific deubiquitinating enzyme that preferentially hydrolyzes Lys48-linked polyubiquitin chains, thereby preventing ubiquitin-mediated proteasomal degradation and regulating protein stability. Unlike many deubiquitinases, OTUB1 exhibits strong selectivity for Lys48-linked ubiquitin chains while displaying minimal activity toward Lys63-linked chains and only weak deneddylase activity against NEDD8-conjugated substrates. Through its ability to modulate protein ubiquitination, OTUB1 plays critical roles in maintaining cellular protein homeostasis and regulating diverse biological processes, including DNA damage repair, immune signaling, and cell cycle progression.

Specifications

Synonyms:	Otubain 1, OTU domain-containing ubiquitin aldehyde-binding protein 1, OTU domain-containing protein 1, OTB1 Protein
AA Sequence:	MGSSHHHHHSSGLVPRGSHMMAAEPPQQQK QEPLGSDSEGVNCLAYDEAIMAQQDRIQQEIAV QNPLVSERLELSVLYKEYAEDDNIIYQQKIKDLH KKYSYIRKTRPDGNCIFYRAFGFSHLEALLDDSK ELQRFKAVSAKSKEDLVSQGFTEFTIEDFHNTFM DLIEQVEKQTSVADLLASFNDQSTSDYLVVYLRL LTSGYLQRESKFFEHFIEGGRTVKEFCQQEVEPM CKESDHIHIIALAQALSFSIQVEYMDRGEGGTTN PHIFPEGSEPKVYLLYRPGHYDILYK
Source:	<i>Escherichia coli</i>
Molecular Weight:	33.5 kDa
Purity	> 95%

Storage Buffer and Concentration

20 mM Tris-HCl pH7.5, 50 mM NaCl, 2mM β -ME, 50% Glycerol. See product label for protein concentration.

Quality Control

The purity of 6xHis-OTUB1 was verified by SDS-PAGE under reducing conditions.

Rev. 0

Product Use

ScienCell's 6xHis-OTUB1 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.