

Ubc9 (Human ubiquitin conjugating enzyme 9) Human, Recombinant, expressed in E.coli

Cat.NO.: TP04373

3th Edition

Synonyms:UBE2I, UBC9, UBCE9, Ubc9, Human ubiquitin conjugating enzyme 9, EC 6.3.2, SUMO-protein ligase, Ubiquitin-conjugating enzyme E2 I, Ubiquitin-protein ligase I, Ubiquitin carrier protein I

Description:Human Ubc9 is homologous to ubiquitin-conjugating enzymes(E2s). However, instead of conjugating ubiquitin, it conjugates a ubiquitin homologue, small ubiquitin-like modifier 1(SUMO-1). And hUbc9 retains striking structural and functional conservation with yeast Ubc9. The ubiquitin-dependent protein degradation system has been recognized as a complete enzymatic pathway that is responsible for the selective degradation of abnormal and short-lived proteins. The conjugation of ubiquitin requires the activities of ubiquitin-activating(E1) and -conjugating(E2) enzymes.

Form:Liquid. In 50 mM HEPES (pH7.5) 150mM NaCl, 1mM DTT, 10%glycerol.

Molecular Weight:18 kDa (158 aa), confirmed by MALDI-TOF.

Sequences:

MSGIALSRLAQERKAWRKDHPFGFVAVPTKNPDGTMNLMNWECAIPGKKGTPWEGGLFKLRMLFKDDYPSSPPK
CKFEPPLFHPNVYPSGTVCLSILEEDKDWRPAITIKQILLGIQELLNEPNIQDPAQAEAYTIYCQNRVEYEKRVRAQAK
KFAPS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.