
Ubiquitin Conjugating enzyme 9

Human, Recombinant, expressed in *E.coli*

Cat. No. UBC3001

Size ; 100 µg

Synonyms : hUbc9(E2)

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 : 18KDa (158amino acids)

Purity : ≥ 95% by SDS-PAGE

Sequence :

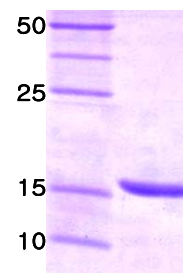
MSGIALSRLA QERKAWRKDH PFGFVAVPTK NPDGTMNLMN WECAIPGKKG TPWEGGLFKL
RMLFKDDYPS SPPKCKFEPP LFHPNVYPSG TVCLSILEED KDWRPAITIK QILLGIQELL
NEPNIQDPAQ AEAYTIYCQN RVEYEKRVRA QAKKFAPS

Storage : Store -20°C. Avoid freeze/thaw cycles

Reference : Wang,Z.Y., *et al*(1996) *J Biol. Chem.* 271(40) 24811-24816

Tatham MH., *et al* (2003) *Biochemistry.* 42(11) 3168-3179

Donghai Lin, *et al* (2002)*J.Biol.Chem.* 277(24) 21740-21748



14% SDS-PAGE