

32-8245: Recombinant Human NEDD8-Conjugating Enzyme UBC12/UBE2M

Gene : UBE2M

Gene ID : 9040

Uniprot ID : P61081

Description

Source: E. coli.

MW :20.9kD.

Recombinant Human Ubiquitin-conjugating Enzyme E2M is produced by our E.coli expression system and the target gene encoding Met1-Lys183 is expressed. UBE2M is a member of the E2 ubiquitin-conjugating enzyme family. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This protein is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin. UBE2M accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. It involved in cell proliferation and is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation.

Product Info

Amount : 10 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 50mM HEPES,pH 7.5,2mM DTT,150mM NaCl,10%glycerol .

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : MIKLFSLKQQKKEEESAGGTKGSSKKASAAQLRIQKDINELNLPKTCDISFSDPDDLNFKLVICPDEGFYKSGKF
VFSFKVGGQYPHPPVKCETMVYHPNIDLEGNVCLNILREDWKPVLINSIYGLQYLFLPEPNPEDPLNKEAAEV
LQNNRRLFEQNVQRSMRGGYIGSTYFERCLK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.