

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 :** MIKLFSLKQQKKEESAGGTKGSSKKASAAQLRIQKDINELNLPKTCDISFSDPDDLNFKLVICPDEGFYKSGKF
VFSFKVGQGYPHDPPKVKCETMVYHPNIDLEGNVCLNLRDWWKPVLTINSIYGLQYLFLPNPEDPLNKEAAEV
LQNNRRRLFQNVQRSMRGGYIGSTYFERCLK**Application Note****Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.