

Product Name: UBE2M

Alternate Names: Ubc12

Product Code: TE2-011

Quantity: 100 µg

FOR RESEARCH USE ONLY (RUO)

Storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store ≤ -70°C (stable for 24 months from date of receipt).

Verified Applications / Usage

Recombinant NEDD8 Conjugating Enzyme E2 M accepts activated NEDD8 from NEDD8 Activating Enzyme 1 (an E1) in in vitro reactions. This charged E2 may subsequently transfer NEDD8 to a protein substrate in an E3 Ligase-catalyzed reaction. Appropriate enzyme concentrations are specific to the application.

Physical Characteristics

Species:

Predicted MW (kDa): 21 kDa

Source: E.coli BL21(DE3) A.I.

Purity: 95%

Concentration: 50 µM

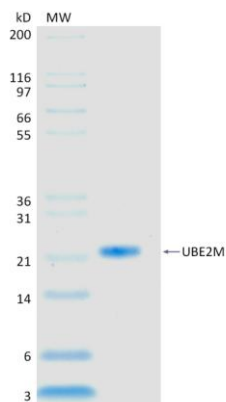
Formulation: 40 mM HEPES, 200 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.0

Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store ≤ -70°C (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE



2 µg UBE2M run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Activity Assay

Verified in NEDD8 Charging Assay

Background

Description

NEDD8 Conjugating Enzyme E2 M is a NEDD8-conjugating enzyme (E2) that plays a key role in the ubiquitylation pathway. It works with UBA3-NAE1 E1 complex to transfer NEDD8 to substrate proteins, primarily cullin E3 ligases.

Accession Number:

Entrez Gene ID:

Protein Sequence

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GPGSMIKLFLSLKQQKKEEESAGGTKGSSKKASAAQLRIQKDINELNLPK
TCDISFSDPDDLNFKLVICPDEGFYKSGKFVFSFKVGQGYPHDPPKVK
CETMVYHPNIDLEGNVCLNILREDWKPVLINSIIYGLQYLFLEPNPEDPL
NKEAAEVLQNNRRLFEQNVQRSMRGGYIGSTYFERCLK
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