Product Name: UBE2D3

Alternate Names: UbcH5c

Product Code: TE2-004 **Quantity:** 100 µg

FOR RESEARCE 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 Ubiquitin Conjugating Enzyme E2 D3 accepts activated ubiquitin from Ubiquitin Activating Enzyme 1 (an E1) in in vitro reactions. This charged E2 may subsequently transfer ubiquitin to a protein substrate in an E3 Ligase-catalyzed reaction. Appropriate enzyme concentrations are specific to the application.

Physical Characteristics

Species: Human **Predicted MW (kDa):** 17 kDa

Source: E.coli BL21(DE3) A.I. **Purity:** 95%

Concentration: 50 µM

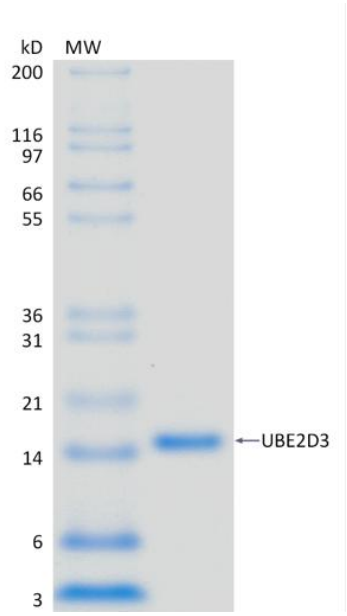
Formulation: 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

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 UBE2D3 run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Protein ID: Ubiquitin-conjugating enzyme E2 D3

Activity Assay

Verified in Ubiquitin Charging Assay.

Background

Description

Ubiquitin Conjugating Enzyme E2 D3 is a ubiquitin-conjugating enzyme (E2) that plays a key role in the ubiquitylation pathway. It works with various E3 ligases to transfer ubiquitin to substrate proteins, tagging them for proteasomal degradation or otherwise regulating their function.

Accession Number: P61077 **Entrez Gene ID:** UBE2D3

Protein Sequence

MALKRINKELSDLARDPPAQCSAGPVGDDMFHWQATIMGPNDSPYQG
GVFFLTIHFPTDYPFKPPKVAFTTRIYHPNINSNGSICLDILRSQWSPALTI
SKVLLSICSLLCDPNPDDPLVPEIARIYKTDRDKYNRISREWTQKYAM