



# Recombinant Protein Technical Manual

## Recombinant Human UBE2V2/DDVIT1 Protein (His Tag)

RPES2169

### Product Data:

**Product SKU:** RPES2169

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q15819

### Protein Information:

**Molecular Mass:** 18.5 kDa

**AP Molecular Mass:** 18 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, pH 7.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Ubiquitin-Conjugating Enzyme E2 Variant 2; DDVIT1; Enterocyte Differentiation-Associated Factor 1; EDAF; Enterocyte Differentiation-Promoting Factor 1; EDPF; MMS2 Homolog; Vitamin D3-Inducible Protein; UBE2V2; MMS2; UEV2

## Immunogen Information:

**Sequence:** Met 1-Asn145

## Background:

Ubiquitin-Conjugating Enzyme E2 Variant 2 (UBE2V2) is an enzyme that belongs to the ubiquitin-conjugating enzyme family. UBE2V2 can be detected in the placenta, colon, liver, and skin. It forms a heterodimer with UBE2N. The UBE2V2/UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains and which leads to protein degradation by the proteasome. UBE2V2 mediates transcriptional activation of target genes. It plays a role in the control of progress through the cell cycle and differentiation. It also plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage.