



Recombinant Protein Technical Manual

Recombinant Human Ube2L6 Protein (His Tag)

RPES2179

Product Data:

Product SKU: RPES2179

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: O14933

Protein Information:

Molecular Mass: 19.6 kDa

AP Molecular Mass:

Tag: N-His

Bio-activity:

Purity: > 96 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 0.1% Brij35, pH 8.5

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

Application:

Synonyms: Ubiquitin/ISG15-Conjugating Enzyme E2 L6; Retinoic Acid-Induced Gene B Protein; RIG-B; UbcH8; Ubiquitin Carrier Protein L6; Ubiquitin-Protein Ligase L6; UBE2L6; UBCH8

Immunogen Information:

Sequence: Met 1-Ser 153

Background:

UBCH8, also known as UBE2L6, belongs to the ubiquitin-conjugating enzyme family. The family of ubiquitin-conjugating (E2) enzymes is characterized by the presence of a highly conserved ubiquitin-conjugating (UBC) domain. These domains accommodate the ATP-activated ubiquitin (Ub) or ubiquitin-like (UBL) protein via a covalently linked thioester onto its active-site residue. E2 enzymes act via selective protein-protein interactions with the E1 and E3 enzymes and connect activation to covalent modification. By doing so, E2s differentiate effects on downstream substrates, either with a single Ub/UBL molecule or as a chain. UBCH8 is highly similar in primary structure to the enzyme encoded by the UBE2L3 gene. It catalyzes the covalent attachment of ubiquitin or ISG15 to other proteins. UBCH8 functions in the E6/E6-AP-induced ubiquitination of p53/TP53 and promotes ubiquitination and subsequent proteasomal degradation of FLT3. At protein level, it is present in natural killer cells.