

Product Data:**Product SKU:** RPES1789**Size:** 10µg**Species:** Human**Expression host:** E. coli**Uniprot:** P62256**Protein Information:****Molecular Mass:** 47.0 kDa**AP Molecular Mass:** 50 kDa**Tag:** N-GST**Bio-activity:****Purity:** > 90 % 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, 2mM DTT, 10% Glycerol, pH 7.5.**Reconstitution:** Please refer to the printed manual for detailed information.**Application:****Synonyms:** Ubiquitin-Conjugating Enzyme E2 H; UbcH2; Ubiquitin Carrier Protein H; Ubiquitin-Conjugating Enzyme E2-20K; Ubiquitin-Protein Ligase H; UBE2H;E2-20K;GID3;UBC8;UBCH;UBCH2

Immunogen Information:

Sequence: Met 1-Leu183

Background:

Ubiquitin-Conjugating Enzyme E2 H (UBE2H) belongs to the E2 Ubiquitin-Conjugating Enzyme family. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. It has been shown to conjugate ubiquitin to histone H2A in an E3 dependent manner in vitro. UBE2H is the human homolog to the yeast DNA repair gene RAD6, which is induced by DNA damaging reagents. UBE2H has been associated with cancer-induced cachexia and with the regulation of sepsis-induced muscle proteolysis.