

Product Data:**Product SKU:** RPES2126**Size:** 10µg**Species:** Human**Expression host:** E. coli**Uniprot:** Q16763**Protein Information:****Molecular Mass:** 50.1 kDa**AP Molecular Mass:** 50 kDa**Tag:** N-GST**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, 2mM DTT, 10% Glycerol, pH 7.5.**Reconstitution:** Please refer to the printed manual for detailed information.**Application:****Synonyms:** Ubiquitin-Conjugating Enzyme E2 S; E2-EPF; Ubiquitin Carrier Protein S; Ubiquitin-Conjugating Enzyme E2-24 kDa; Ubiquitin-Conjugating Enzyme E2-EPF5; Ubiquitin-Protein Ligase S; UBE2S; E2EPF

Immunogen Information:

Sequence: Met 1-Leu222

Background:

Ubiquitin-Conjugating Enzyme E2 S (UBE2S) is a member of the Ubiquitin-Conjugating Enzyme family. UBE2S interacts with CDC20, FZR1/CDH1 and VHL. UBE2S can form a thiol ester linkage with Ubiquitin in an Ubiquitin Activating Enzyme-Dependent manner, a characteristic property of Ubiquitin Carrier Proteins. UBE2S acts as an essential factor of the Anaphase Promoting Complex/Cyclosome, a cell cycle-regulated Ubiquitin ligase that controls progression through mitosis. UBE2S is also involved in ubiquitination and subsequent degradation of VHL, resulting in an accumulation of HIF1A.