

Recombinant Human Ube2H Protein (GST Tag)

Catalog No. PKSH033316

Note: Centrifuge before opening to ensure complete recovery of vial contents.

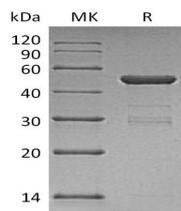
Description

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
Species	Human
Expression Host	E.coli
Sequence	Met 1-Leu183
Accession	P62256
Calculated Molecular Weight	47.0 kDa
Observed molecular weight	50 kDa
Tag	N-GST
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein 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	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

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-

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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.