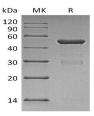
Recombinant Human Ube2H Protein (GST Tag)

Catalog Number: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 |
| 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 $< -20^{\circ}$ C. |
| Formulation | Supplied as a 0.2 μ m 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-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.

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