



Product Datasheet

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| Product Name | Ubiquitin Conjugating Enzyme E2B Human Recombinant |
| Cata No | CB500516 |
| Source | <i>Escherichia Coli.</i> |
| Synonyms | Ubiquitin-conjugating enzyme E2 B, EC 6.3.2.19, Ubiquitin-protein ligase B, Ubiquitin carrier protein B, HR6B, hHR6B, E2-17 kDa UBC2, HHR6B, RAD6B, E2-17kDa, UBE2B. |

Description

This E2 enzyme encodes for the human homolog of the yeast DNA repair gene RAD6, which is induced by DNA damaging agents. UBE2B can conjugate ubiquitin to histone H2A in an E3- independent manner in vitro, and is essential for the multi-ubiquitination and degradation of N-end rule substrates. Additionally, UBE2B may have a role in sepsis-induced muscle protein proteolysis and cancer-induced cachexia.

Ubiquitin Conjugating Enzyme E2B Human Recombinant produced in E.coli is a 19 kDa protein containing 166 amino acids.

The UE2B protein contains 6xHis tag and is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered white lyophilized powder.

Purity

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Formulation

Lyophilized from a 0.2µm filtered concentrated (1 mg/ml) solution in 1X PBS and 1mM DTT, pH 7.5.

Stability

Lyophilized UBE2B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution UBE2B should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

MHHHHHHAMGQLRSMSTPARRRLMRDFKRLQE
DPPVGVS GAPSENN
IMQWNAVIFGPEGTPFEDGTFKLVIEFSEEYPNKP
PTVRFLSKMFHPNVY
ADGSICLDILQNRWSPTYDVSSILTSIQSLLDEPNP
NSPANSQAAQLYQE
NKREYEKRVSAIVEQSWNDS