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Human recombinant protein UBE2D2 (UbcH5b)

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Catalog # PBV10667r

Specification

Human recombinant protein UBE2D2 (UbcH5b) - Product info

Primary Accession	P62837
Calculated MW	**17.729 kDa with His Tag. KDa**

Human recombinant protein UBE2D2 (UbcH5b) - Additional Info

Gene ID	**7322**
Gene Symbol	**UBE2D2**

Other Names
Human recombinant UBE2D2 (UbcH5b), ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5), UBC4, Ubiquitin carrier protein D2, Ubiquitin-conjugating enzyme E2-17 kDa 2, Ubiquitin-protein ligase D2, UBCH5B, EC 6.3.2.19, E2(17)KB2, PUBC1, UBC4/5, UBC5B, UBCH4.

Gene Source	**Human**
Assay&Purity	**RP-HPLC; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**

Format
Liquid

Storage
-80°C; 75 µL of a 40 µM solution (3 nmoles) in 50 mM Tris, pH 7.5, 150 mM NaCl, 10 mM DTT and 10% glycerol.

Human recombinant protein UBE2D2 (UbcH5b) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein UBE2D2 (UbcH5b) - Images

Human recombinant protein UBE2D2 (UbcH5b) - Background

UBE2D2 (UbcH5b) is an E2 (ubiquitin conjugating enzyme) that is involved in the conjugation of ubiquitin to target substrates along with E1 and E3 enzymes. The UbcH5 family (including UbcH5a and UbcH5c, 88% and 89% sequence identity with UbcH5b, respectively) are the human

homologues of the Saccharomyces cerevisiae UBC4/5 family (~79% sequence identity). Members of the UbcH5 family have been implicated in a number of inflammatory and cancer pathways, including the ubiquitylation of p53 (involving the E3 ligase Hdm2) and IκBα (involving the E3 ligase SCF).

Human recombinant protein UBE2D2 (UbcH5b) - References

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Rolfe M.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:3264-3268(1995).
Guinn B.-A.,et al.Biochem. Biophys. Res. Commun. 335:1293-1304(2005).
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