

UbchH5b, human recombinant protein (His-tag)
UbchH5b, Ubiquitin conjugating enzyme H5b, Ubiquitin conjugating enzyme
Catalog # PBV10442r

Specification

UbchH5b, human recombinant protein (His-tag) - Product info

Primary Accession	P62837
Concentration	1
Calculated MW	18.0 kDa KDa

UbchH5b, human recombinant protein (His-tag) - Additional Info

Gene ID	7322
Gene Symbol	UB2D2

Other Names

UbchH5b, Ubiquitin conjugating enzyme H5b, Ubiquitin conjugating enzyme, Ubiquitin-conjugating enzyme E2 D2, Ubiquitin carrier protein D2, Ubiquitin-conjugating enzyme E2(17)KB 2, Ubiquitin-conjugating enzyme E2-17 kDa 2, Ubiquitin-protein ligase D2

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes
Format	
Liquid	

Storage

-80°C; Supplied at a concentration of 1.0 mg/ml in 20 mM Tris-HCl, pH 7.5, containing 0.5 mM DTT.

UbchH5b, human recombinant protein (His-tag) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UbchH5b, human recombinant protein (His-tag) - Images

UbchH5b, human recombinant protein (His-tag) - Background

UbchH5b is highly homologous to the *S. cerevisiae* UbC4/5 family of E2 enzymes, demonstrated to be essential for degradation of regulatory and abnormal proteins. UbchH5b, together with UbchH5a

and Ubch5c, are the most active class of E2 enzymes in cell extracts and are associated with regulation of a number of transcription factors including p53. Useful for in vitro ubiquitinylation reactions. The His-tagged version of this enzyme is not susceptible to self-ubiquitinylation, which can occur with GST-tagged versions. Typical enzyme concentration to support in vitro conjugation is 100 nM to 1 μ M depending upon the conditions.

Ubch5b, human recombinant protein (His-tag) - References

Jensen J.P., et al. J. Biol. Chem. 270:30408-30414(1995).
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).
Yin Y., et al. Submitted (OCT-2000) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).