

UbchH3, human recombinant protein (His-tag)
UbchH3, Ubiquitin conjugating enzyme 3, Ubiquitin conjugating enzyme
Catalog # PBV10439r

Specification

UbchH3, human recombinant protein (His-tag) - Product info

Primary Accession	P49427
Concentration	0.6
Calculated MW	32.0 kDa KDa

UbchH3, human recombinant protein (His-tag) - Additional Info

Gene ID	997
Gene Symbol	UB2R1

Other Names

UbchH3, Ubiquitin conjugating enzyme 3, Ubiquitin conjugating enzyme, Ubiquitin-conjugating enzyme E2-32 kDa complementing, Ubiquitin-conjugating enzyme E2-CDC34, Ubiquitin-protein ligase R1, CDC34, UBCH3, UBE2R1

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 0.5 mg/ml in 50 mM HEPES, 50 mM NaCl, pH 8.0, containing 1.0 mM DTT.

UbchH3, 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](#)

UbchH3, human recombinant protein (His-tag) - Images

UbchH3, human recombinant protein (His-tag) - Background

UbchH3 is a class II enzyme, homologous to Cdc34 from *Saccharomyces cerevisiae*, and is important

in the control of cell cycle and DNA replication. UbchH3/Cdc34 in association with different E3 complexes, including SCF, has been shown to target many different substrates for ubiquitination and degradation during cell division, signal transduction, and development. UbchH3 substrates that have been characterized include I κ B, Wee1, ICER1 γ , p27Xic1. Additionally, substrates such as β -catenin, p21, and is phosphorylated and ubiquitinated in vivo.

UbchH3, human recombinant protein (His-tag) - References

Plon S.E., et al. Proc. Natl. Acad. Sci. U.S.A. 90:10484-10488(1993).
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Gonen H., et al. J. Biol. Chem. 274:14823-14830(1999).