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UbcH2, human recombinant protein (His-tag)

UbcH2, Ubiquitin conjugating enzyme 2, Ubiquitin conjugating enzyme
Catalog # PBV10438r

Specification

UbcH2, human recombinant protein (His-tag) - Product info

Primary Accession	P62259
Concentration	1
Calculated MW	22.2 kDa KDa

UbcH2, human recombinant protein (His-tag) - Additional Info

Gene ID	7328
Gene Symbol	UBE2H

Other Names
UbcH2, Ubiquitin conjugating enzyme 2, Ubiquitin conjugating enzyme, UbcH2, Ubiquitin carrier protein H, Ubiquitin-conjugating enzyme E2-20K, Ubiquitin-protein ligase H, Ube2h

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.

UbcH2, 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 Cytomety
- Cell Culture

UbcH2, human recombinant protein (His-tag) - Images

UbcH2, human recombinant protein (His-tag) - Background

UbcH2 is the human homolog to the yeast DNA repair gene RAD6, which is induced by DNA damaging reagents. It has been shown to conjugate ubiquitin to histone H2A in an E3 dependent manner in vitro. UbcH2 consists of two functionally independent domains, an N-terminal core

domain with ubiquitin conjugating activity, and a C-terminal domain that interacts with substrate proteins. This protein is 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 conjugation in
vitro is 100 nM to 1 µM depending upon conditions.

UbcH2, human recombinant protein (His-tag) - References

McConnell J.E.,et al.Dev. Biol. 169:218-228(1995).
Takihara Y.,et al.Submitted (SEP-1996) to the EMBL/GenBank/DDBJ databases.
Ehringer M.A.,et al.Mamm. Genome 12:657-663(2001).
Lubec G.,et al.Submitted (JUL-2007) to UniProtKB.
Zhai J.,et al.J. Biol. Chem. 276:41318-41324(2001).