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UbcH1, human recombinant protein (GST-tag)

UbcH1, Ubiquitin conjugating enzyme 1, Ubiquitin conjugating enzyme
Catalog # PBV10436r

Specification

UbcH1, human recombinant protein (GST-tag) - Product info

Primary Accession	P61086
Concentration	1
Calculated MW	22.4 kDa KDa

UbcH1, human recombinant protein (GST-tag) - Additional Info

Other Names
UbcH1, Ubiquitin conjugating enzyme 1, Ubiquitin conjugating enzyme

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 TBS, pH 7.5 containing 1.0 mM DTT.

UbcH1, human recombinant protein (GST-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

UbcH1, human recombinant protein (GST-tag) - Images

UbcH1, human recombinant protein (GST-tag) - Background

Among ubiquitin-conjugating enzymes, the mammalian ubiquitin conjugating enzyme UbcH1, is unique in its ability to catalyze the in vitro synthesis of unanchored Lys48-linked poly-ubiquitin chains from mono- or poly-ubiquitin, E1, and ATP. In addition, UbcH1 can catalyze the cyclization of longer poly-ubiquitin chains, including tetra- and penta-ubiquitin. Recombinant UbcH1 charges and supports ubiquitinylation in vitro. Typical enzyme concentration to support conjugation in vitro is 100 nM to 1 µM.

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Kalchman M.A.,et al.J. Biol. Chem. 271:19385-19394(1996).
Kikuchi J.,et al.Arterioscler. Thromb. Vasc. Biol. 20:128-134(2000).
Furukawa Y.,et al.Electrophoresis 21:338-346(2000).
Li W.B.,et al.Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).