

UbchH1, human recombinant protein (GST-tag)
UbchH1, Ubiquitin conjugating enzyme 1, Ubiquitin conjugating enzyme
Catalog # PBV10436r

Specification

UbchH1, human recombinant protein (GST-tag) - Product info

Primary Accession	P61086
Concentration	1
Calculated MW	22.4 kDa KDa

UbchH1, human recombinant protein (GST-tag) - Additional Info

Other Names

UbchH1, 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.

UbchH1, 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 Cytometry](#)
- [Cell Culture](#)

UbchH1, human recombinant protein (GST-tag) - Images

UbchH1, human recombinant protein (GST-tag) - Background

Among ubiquitin-conjugating enzymes, the mammalian ubiquitin conjugating enzyme UbchH1, 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, UbchH1 can catalyze the cyclization of longer poly-ubiquitin chains, including tetra- and penta-ubiquitin. Recombinant UbchH1 charges and supports ubiquitinylation in vitro. Typical enzyme concentration to support conjugation in vitro is 100 nM to 1 µM.

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

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).