

**UbcH5a, human recombinant protein (His-tag)**  
**UbcH5a, Ubiquitin conjugating enzyme H5a, Ubiquitin conjugating enzyme**  
**Catalog # PBV10441r**

## Specification

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### UbcH5a, human recombinant protein (His-tag) - Product info

|                   |                        |
|-------------------|------------------------|
| Primary Accession | <a href="#">P51668</a> |
| Concentration     | 1                      |
| Calculated MW     | 17.0 kDa KDa           |

### UbcH5a, human recombinant protein (His-tag) - Additional Info

|             |       |
|-------------|-------|
| Gene ID     | 7321  |
| Gene Symbol | UB2D1 |

#### Other Names

UbcH5a, Ubiquitin conjugating enzyme H5a, Ubiquitin conjugating enzyme, Ubiquitin-conjugating enzyme E2 D1, Stimulator of Fe transport, UBC4/5 homolog, Ubch5, Ubiquitin carrier protein D1, Ubiquitin-conjugating enzyme E2(17)KB 1, Ubiquitin-conjugating enzyme E2-17 kDa 1, Ubiquitin-protein ligase D1

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

#### Storage

-80°C; Supplied as a liquid in 20 mM Tris-HCl, pH 8, containing 0.5 mM DTT.

### UbcH5a, 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](#)

### UbcH5a, human recombinant protein (His-tag) - Images

### UbcH5a, human recombinant protein (His-tag) - Background

UbcH5a is highly homologous to the *S. cerevisiae* Ubc4/5 family of E2 enzymes demonstrated to be

essential for degradation of regulatory and abnormal proteins. Ubch5a, together with Ubch5b and Ubch5c, are the most active class of E2 enzymes in cell extracts and are associated with regulation of a number of transcription factors. Specifically, Ubch5a stimulates the conjugation of ubiquitin to the tumor suppressor p532. Useful for in vitro ubiquitinylation reactions. Typical enzyme concentration to support conjugation in vitro is 100 nM to 1  $\mu$ M depending upon conditions.

**Ubch5a, human recombinant protein (His-tag) - References**

Scheffner M.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:8797-8801(1994).  
Gehrke S.G.,et al.Blood 101:3288-3293(2003).  
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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Deloukas P.,et al.Nature 429:375-381(2004).