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UbcH5a, human recombinant protein (His-tag)

UbcH5a, Ubiquitin conjugating enzyme H5a, Ubiquitin conjugating enzyme
Catalog # PBV10441r

Specification

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

Primary Accession	P51668
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

Format
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 Cytomety
- 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 µM depending upon conditions.

UbcH5a, human recombinant protein (His-tag) - References

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Gehrke S.G.,et al.Blood 101:3288-3293(2003).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 429:375-381(2004).