

UbchH3, human recombinant (His-tag)

ALTERNATE NAMES: UBC3; UBE2R1; E2-CDC34

CATALOG #: 4849-100 100 µg

LOT #: _____

SOURCE: E. coli

PURITY: >95% by SDS-PAGE

M.W.: 32 kDa

PHYSICAL APPEARANCE: Liquid

FORMULATION: Supplied at a concentration of 0.6 mg/ml in 50 mM HEPES, 50 mM NaCl, pH 8.0, containing 1.0 mM DTT.

STORAGE CONDITIONS:

At -80 °C. Stable to multiple freeze-thaw cycles.

DESCRIPTION:

UbchH3 is a class II enzyme, homologous to Cdc34 from *Saccharomyces cerevisiae*, and is important in the control of cell cycle and DNA replication. UbchH3/Cdc34 in association with different E3 complexes, including SCF, has been shown to target many different substrates for ubiquitination and degradation during cell division, signal transduction, and development. UbchH3 substrates that have been characterized include IκB, Wee1, ICER1γ, p27Xic1. Additionally, substrates such as β-catenin, p21, and is phosphorylated and ubiquitinated *in vivo*.

RELATED PRODUCTS:

- Calpain Inhibitor I, ALLN (**Cat. No. 1834-5, 25**)
- Calpain Inhibitor II, ALLM (**Cat. No. 1834-5, 25**)
- Clasto-Lactacystin β-Lactone (**Cat. No. 1710-100**)
- E6AP Antibody (**Cat. No. 3744-100**)
- (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
- Isopeptidase T (short form), human recombinant (**Cat. No. 4861-25**)
- Isopeptidase T (long form), human recombinant (**Cat. No. 4862-25**)
- Lactacystin (**Cat. No. 1709-200**)
- MG-115 (**Cat. No. 1831-1, 5**)
- MG-132 (**Cat. No. 1703-5, 25**)
- PS-341 (**Cat. No. 1846-1,5**)
- EZSolution™ MG-132 (**Cat. No. 1791-5**)
- NEDD8-AMC (**Cat. No. 4843-25**)
- Proteasome Substrate, Fluorogenic (**Cat. No. 1832-1, 5**)
- Suc-Leu-Leu-Val-Tyr-AMC (**Cat. No. 1833-5**)
- UbchH1, human recombinant (GST-tag) (**Cat. No. 4846-100**)
- UbchH2, human recombinant (His-tag) (**Cat. No. 4848-100**)
- UbchH5a, human recombinant (His-tag) (**Cat. No. 4851-100**)
- UbchH5b, human recombinant (His-tag) (**Cat. No. 4852-100**)
- UbchH5c, human recombinant (His-tag) (**Cat. No. 4854-100**)
- Ubiquitin Aldehyde (**Cat. No. 4845-50**)
- Ubiquitin, human recombinant (**Cat. No. 4841-100,1000**)
- Ubiquitin AMC (**Cat. No. 4842-25**)
- UCH-L1, human recombinant (GST-tag) (**Cat. No. 4855-50**)
- USP7 Antibody (**Cat. No. 3737-100**)
- USP-14 Inhibitor IU1 (**Cat. No. 1845-5, 25**)

FOR RESEARCH USE ONLY! Not to be used on humans.