

## UbchH2, human recombinant (His-tag)

**ALTERNATE NAMES:** UBC8; E2-20K; UBE2H

**CATALOG #:** 4848-100 100 µg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >95% by SDS-PAGE

**M.W.:** 22.2 kDa

**PHYSICAL APPEARANCE:** Liquid

**FORMULATION:** Supplied at a concentration of 1.0 mg/ml in 20 mM Tris-HCl, pH 7.5, containing 0.5 mM DTT.

### STORAGE CONDITIONS:

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

### DESCRIPTION:

UbchH2 is the human homolog to the yeast DNA repair gene RAD6, which is induced by DNA damaging reagents. It has been shown to conjugate ubiquitin to histone H2A in an E3 dependent manner *in vitro*. UbchH2 consists of two functionally independent domains, an N-terminal core domain with ubiquitin conjugating activity, and a C-terminal domain that interacts with substrate proteins. This protein is useful *for in vitro* ubiquitinylation reactions. The His-tagged version of this enzyme is not susceptible to self-ubiquitinylation, which can occur with GST-tagged versions. Typical enzyme concentration to support conjugation *in vitro* is 100 nM to 1 µM depending upon conditions.

### 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**)
- UbchH3, human recombinant (His-tag) (**Cat. No. 4849-100**)
- 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.**