

UbcH5b, human recombinant (His-tag)

ALTERNATE NAMES: UBCH5B; UBE2D2; UBC4/5; E2

CATALOG #: 4852-10 10 µg
4852-100 100 µg

LOT #: _____

SOURCE: E. coli

PURITY: >95% by SDS-PAGE

M.W.: 18 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:

UbcH5b is highly homologous to the *S. cerevisiae* UbC4/5 family of E2 enzymes, demonstrated to be essential for degradation of regulatory and abnormal proteins. UbcH5b, together with UbcH5a and UbcH5c, are the most active class of E2 enzymes in cell extracts and are associated with regulation of a number of transcription factors including p53. 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 *in vitro* conjugation is 100 nM to 1 µM depending upon the 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)
- UbcH1, human recombinant (GST-tag) (Cat. No. 4846-100)
- UbcH2, human recombinant (His-tag) (Cat. No. 4848-100)
- UbcH3, human recombinant (His-tag) (Cat. No. 4849-100)
- UbcH5a, human recombinant (His-tag) (Cat. No. 4851-100)
- UbcH5c, 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.