

UbcH1, human recombinant (GST-Tag)

ALTERNATE NAMES:	UBC1; E2-25k; HIP-2	
CATALOG #:	4846-10	10 µg
	4846-100	100 µg
LOT #:	_____	
SOURCE:	E. coli	
PURITY:	>95% by SDS-PAGE	
MOL. WEIGHT:	22.4 kDa (untagged)	
PHYSICAL APPEARANCE:	Liquid	
FORMULATION:	Supplied at a concentration of 1.0 mg/ml in 20 mM TBS, pH 7.5 containing 1.0 mM DTT.	

STORAGE CONDITIONS:

At -80°C. Avoid multiple freeze-thaw cycles. After initial thawing, aliquot into individual tubes and re-freeze at -80°C.

DESCRIPTION:

Among ubiquitin-conjugating enzymes, the mammalian ubiquitin conjugating enzyme UbcH1, is unique in its ability to catalyze the *in vitro* synthesis of unanchored Lys48-linked poly-ubiquitin chains from mono- or poly-ubiquitin, E1, and ATP. In addition, UbcH1 can catalyze the cyclization of longer poly-ubiquitin chains, including tetra- and penta-ubiquitin. Recombinant UbcH1 charges and supports ubiquitylation *in vitro*. Typical enzyme concentration to support conjugation *in vitro* is 100 nM to 1 µM.

USAGE: For Research Use Only! Not to be used in humans.

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)
 UbcH5b, human recombinant (His-tag) (Cat. No. 4852-100)
 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)