UBE2H Protein, Human (GST)

Cat. No.:	HY-P71402
Synonyms:	Ubiquitin-Conjugating Enzyme E2 H; UbcH2; Ubiquitin Carrier Protein H; Ubiquitin-Conjugating Enzyme E2-20K; Ubiquitin-Protein Ligase H; UBE2H
Species:	Human
Source:	E. coli
Accession:	P62256 (M1-L183)
Gene ID:	7328
Molecular Weight:	Approximately 50.0 kDa

PROPERTIES

AA Sequence	M S S P S P G K R R M D T D V V K L I E S K H E V T I L G G L N E F V V K F Y G P Q G T P Y E G G V W K V R V D L P D K Y P F K S P S I G F M N K I F H P N I D E A S G T V C L D V I N Q T W T A L Y D L T N I F E S F L P Q L L A Y P N P I D P L N G D A A A M Y L H R P E E Y K Q K I K E Y I Q K Y A T E E A L K E Q E E G T G D S S S E S S M S D F S E D E A Q D M E L
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution
Formulation	Supplied as a 0.2 μm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10% Glycerol, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	UBE2H, a crucial participant in cellular ubiquitination processes, plays a pivotal role in the transfer of ubiquitin from the E1 complex to various proteins. Particularly noteworthy is its ability to transfer ubiquitin to MAEA, a core component of the CTLH E3 ubiquitin-protein ligase complex. In vitro studies demonstrate UBE2H's versatility as it catalyzes both 'Lys-11'- and 'Lys-48'-linked polyubiquitination. Additionally, UBE2H exhibits the capability to ubiquitinate histone H2A in vitro, highlighting its involvement in diverse ubiquitin-related processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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