

## UBE2D4 Protein, Human (GST)

<b>Cat. No.:</b>	HY-P71400
<b>Synonyms:</b>	Ubiquitin-Conjugating Enzyme E2 D4; HBUCE1; Ubiquitin Carrier Protein D4; Ubiquitin-Protein Ligase D4; UBE2D4; UBCH5D
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9Y2X8 (M1-M147)
<b>Gene ID:</b>	51619
<b>Molecular Weight:</b>	Approximately 40.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> M A L K R I Q K E L   T D L Q R D P P A Q   C S A G P V G D D L   F H W Q A T I M G P N D S P Y Q G G V F   F L T I H F P T D Y   P F K P P K V A F T   T K I Y H P N I N S N G S I C L D I L R   S Q W S P A L T V S   K V L L S I C S L L   C D P N P D D P L V P E I A H T Y K A D   R E K Y N R L A R E   W T Q K Y A M           </pre>
<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10% Glycerol, pH 7.5.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	N/A
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Shipping with dry ice.

### DESCRIPTION

<b>Background</b>	<p>UBE2D4, a crucial component of the ubiquitin-proteasome system, operates as an E2 ubiquitin-conjugating enzyme by accepting ubiquitin from the E1 complex and catalyzing its covalent attachment to other proteins. In vitro, UBE2D4 showcases its versatility by demonstrating the ability to promote polyubiquitination using all seven ubiquitin Lys residues, with a potential preference for 'Lys-11' and 'Lys-48'-linked polyubiquitination. This dynamic range of ubiquitin chain linkages suggests UBE2D4's involvement in diverse cellular processes and regulatory pathways, emphasizing its significance in the intricate network of protein degradation and turnover.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA