

## UBE2D3 Protein, Human

<b>Cat. No.:</b>	HY-P70998
<b>Synonyms:</b>	Ubiquitin-conjugating enzyme E2 D3; Ubiquitin carrier protein D3; Ubiquitin-conjugating enzyme E2(17)KB 3; Ubiquitin-conjugating enzyme E2-17 kDa 3; Ubiquitin-protein ligase D3; UBE2D3 and UBCH5C.
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	AAH66917 (M1-M147)
<b>Gene ID:</b>	7323
<b>Molecular Weight:</b>	Approximately 15.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           M A L K R I N K E L      S D L A R D P P A Q      C S A G P V G D D M      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 R 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 I S      K V L L S I C S L L      C D P N P D D P L V            P E L A R I Y K T D      R D K Y N R I S R E      W T Q K Y A M         </p>
<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 20 mM Tris-HCl, 150 mM NaCl, 50% Glycerol, 8% Sucrose, 0.05% Tween 80, pH 7.1.
<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>Modification of proteins with ubiquitin is an important cellular mechanism that targets abnormal or short-lived proteins for degradation. Ubiquitination involves at least three types of enzymes: ubiquitin-activating enzymes (E1), ubiquitin-conjugating enzymes (E2), and ubiquitin-protein ligases (E3). UBE2D3 encodes a member of the E2 ubiquitin-conjugating enzyme family and inhibits the ubiquitination process of the protein p53 in tumors. UBE2D3 protein is induced by E3 ubiquitin protein ligase and plays an important regulatory role in tumorigenesis. In particular, UBE2D3 is highly expressed in glioma and may be a potential target for glioma treatment. UBE2D3 promotes ubiquitination of SHP-2, thereby activating the STAT3 pathway and promoting glioma proliferation and glycolysis. UBE2D3 can interact with SHP-2 and promote its</p>
-------------------	--

---

ubiquitination, thereby increasing the activation of the STAT3 pathway. Inhibition of UBE2D3 inhibits GBM proliferation, glycolysis, and STAT3 phosphorylation in vitro and in vivo<sup>[1][2]</sup>.

---

**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