

# Recombinant Human UBE2D4 Protein (GST Tag)

Catalog Number:PKSH033309



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

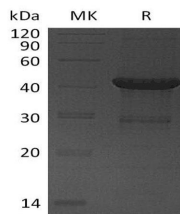
## Description

<b>Synonyms</b>	Ubiquitin-Conjugating Enzyme E2 D4;HBUCE1;Ubiquitin Carrier Protein D4;Ubiquitin-Protein Ligase D4;UBE2D4;UBCH5D
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Met 147
<b>Accession</b>	Q9Y2X8
<b>Calculated Molecular Weight</b>	43.5 kDa
<b>Observed molecular weight</b>	40 kDa
<b>Tag</b>	N-GST

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, 2mM DTT, 10% Glycerol, pH 7.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Ubiquitin-Conjugating Enzyme E2 D4 (UBE2D4) is a ligase that belongs to the Ubiquitin-Conjugating Enzyme family. UBE2D4 has been proposed to participate in Ubl conjugation pathway. UBE2D4 takes part in post-translational protein modification; protein K6-linked ubiquitination; protein K11-linked ubiquitination; protein K27-linked ubiquitination; protein K29-linked ubiquitination; protein K48-linked ubiquitination; and protein K63-linked ubiquitination. UBE2D4 regulate of protein metabolic process. UBE2D4 accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro; UBE2D4 able to promote polyubiquitination using all 7 ubiquitin Lys residues; but may prefer 'Lys-11' and 'Lys-48'-linked poly-ubiquitination.

## For Research Use Only

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