



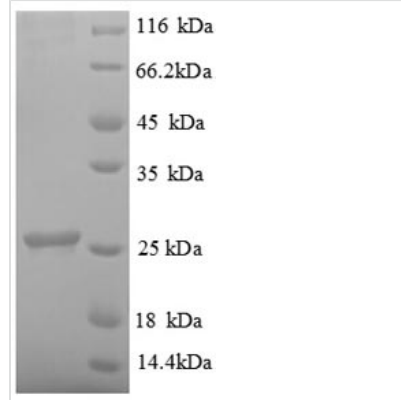
# Recombinant Human Ubiquitin-conjugating enzyme E2 K (UBE2K)

<b>Product Code</b>	CSB-RP096674h
<b>Relevance</b>	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFKB1. In case of infection by cytomegaloviruses may be involved in the US11-dependent degradation of MHC class I heavy chains following their export from the ER to the cytosol. In case of viral infections may be involved in the HPV E7 protein-dependent degradation of RB1
<b>Abbreviation</b>	Recombinant Human UBE2K protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P61086
<b>Alias</b>	Huntingtin-interacting protein 2 ;HIP-2Ubiquitin carrier proteinUbiquitin-conjugating enzyme E2-25 kDa ;Ubiquitin-conjugating enzyme E2(25K) ;Ubiquitin-conjugating enzyme E2-25KUbiquitin-protein ligase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	ANIAVQRIKREFKEVLKSEETSKNQIKVDLVDENFTELARGEIAGPPDTPYEGGR YQLEIKIPETYPFNPPKVRFITKIWHPNISSVTGAICLDILKDQWAAAMTLRVL SLQALLAAEPDDPQDAVVANQYKQNPENFKQTARLWAHVYAGAPVSSPEYT KKIENLCAMGFDRNAVIVALSSKSWDVETATELLSN
<b>Research Area</b>	Neuroscience
<b>Source</b>	E.coli
<b>Target Names</b>	UBE2K
<b>Expression Region</b>	2-200aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	26.3kDa
<b>Protein Length</b>	Full Length of Mature Protein

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.