

## 32-7164: Recombinant Human Ubiquitin-Conjugating Enzyme E2 K/UBE2K (N-GST)

**Gene :** UBE2K  
**Gene ID :** 3093  
**Uniprot ID :** P61086

### Description

Source: E.coli.  
MW :48.7kD.

Recombinant Human Ubiquitin-Conjugating Enzyme E2 K is produced by our E.coli expression system and the target gene encoding Met1-Asn200 is expressed with a GST tag at the N-terminus. Ubiquitin-Conjugating Enzyme E2 K (UBE2K) belongs to the E2 Ubiquitin-Conjugating Enzyme family. UBE2K is highly expressed in the brain, with highest levels found in cortex and striatum, and at lower levels in cerebellum and brainstem. UBE2K may mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. UBE2K is associated with the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. In addition, UBE2K is involved in Alzheimer's disease, Huntington's disease and antigen processing through its interaction with huntingtin, and MHC-heavy chain proteins.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, 2mM DTT, 10% Glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MSPILGYWKIKGLVQPTRLLLEYLEEKYEHLRYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMIIRYIA  
DKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRAYSDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH  
PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQGWQATFGGGDHPKSDLVPR  
GSMANIAVQRIKREFKEVLKSEETSKNQIKVDLVDFTELGEIAGPPDTPYEGGRYQLEIKIPETYPFNPPKVR  
ITKIWHPNISSVTGAICLDILKDQWAAAMTLRTVLLSLQALLAAEPDDPQDAVVANQYKQNPPEMFKQTARLWA  
HVYAGAPVSSPEYTKIENLCAMGFDRNAVIVALSSKSWDVETATELLSN

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.