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Datasheet for ABIN1097733

**UBE2K Protein (AA 1-200) (GST tag)**

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 50 µg  |
| Target:                       | UBE2K  |
| Protein Characteristics:      | AA 1-200                                     |
| Origin:                       | Human  |
| Source:                       | Escherichia coli (E. coli)                   |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This UBE2K protein is labelled with GST tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Human Ubiquitin-Conjugating Enzyme E2 K/UBE2K (N-GST)   |
| Sequence:        | MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID<br>GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV<br>DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK<br>KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSMANI AVQRIKREFK<br>EVLKSEETSK NQIKVDLVDE NFTELRGEIA GPPDTPYEGG RYQLEIKIPE TYPFNPPKVR<br>FITKIWHPNI SSVTGAICLD ILKDQWAAAM TLRTVLLSLQ ALLAAAEPDD PQDAVVANQY<br>KQNPEMFQQT ARLWAHVYAG APVSSPEYTK KIENLCAMGF DRNAVIVALS SKSWDVETAT<br>ELLLSN |
| Characteristics: | Recombinant Human Ubiquitin-Conjugating Enzyme E2 K/UBE2K is produced by our E. coli expression system. The target protein is expressed with sequence (Ala2-Asn200) of Human UBE2K fused with a GST tag at the N-terminus.  |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.  |

## Product Details

|                  |  |
|------------------|--|
| Sterility:       | 0.2 µm filtered  |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | UBE2K  |
| Alternative Name: | Ubiquitin-Conjugating Enzyme E2 K/UBE2K ( <a href="#">UBE2K Products</a> )   |
| Sub Type:         | Fusionprotein  |
| Background:       | <p>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.</p> <p>Alternative Names: Ubiquitin-Conjugating Enzyme E2 K, Huntingtin-Interacting Protein 2, HIP-2, Ubiquitin Carrier Protein, Ubiquitin-Conjugating Enzyme E2-25 kDa, Ubiquitin-Conjugating Enzyme E2(25K), Ubiquitin-Conjugating Enzyme E2-25K, Ubiquitin-Protein Ligase, UBE2K, HIP2</p> |
| Molecular Weight: | 48.7 kDa   |
| UniProt:          | <a href="#">P61086</a>   |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                 |  |
|-----------------|--|
| Format:         | Liquid   |
| Reconstitution: | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Buffer:         | Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10 % Glycerol, pH 7.5.   |

## Handling

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|                    |  |
|--------------------|--|
| Preservative:      | Dithiothreitol (DTT)   |
| Precaution of Use: | This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Always centrifuge tubes before opening. Do not mix by vortex or pipetting.   |
| Storage:           | -80 °C   |
| Storage Comment:   | Store at < -20°C, stable for 6 months after receipt.<br>Please minimize freeze-thaw cycles.                                    |
| Expiry Date:       | 6 months   |