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## Datasheet for ABIN7319151 UBE2K Protein (GST tag)

### Overview

Quantity:	50 µg
Target:	UBE2K
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 HIP2/UBE2K Protein (GST Tag)
Sequence:	Met 1-Asn200
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	UBE2K
Alternative Name:	HIP2/UBE2K ( <a href="#">UBE2K Products</a> )
Background:	Background: 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

## Target Details

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.

Synonym: 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, LIG

Molecular Weight: 48.7 kDa

UniProt: [P61086](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10 % Glycerol, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.