



[Go to Product page](#)

Datasheet for ABIN1692389

UBE2K Protein (AA 1-200) (His tag,SUMO 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 His tag,SUMO Tag.

Product Details

Purpose:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 K/UBE2K (N-6His, SUMO tag)
Sequence:	MGHHHHHHGS DSEVNQEAKP EVKPEVKPET HINLKVSDGS SEIFFKIKKT TPLRRLMEAF AKRQ GKEMDS LRFLYDGIRI QADQAPEDLD MEDNDIIEAH REQIGGMANI AVQRIKREFK EVLKSEETSK NQIKVDLVDE NfTELrGEIA GPPDTPYEGG RYQLEIKIPE TYPFNPPKVR FITKIWHPNI SSVTGAICLD ILKDQWAAAM TLRTVLLSLQ ALLAAAEPPD PQDAVVANQY KQNPEMFKQT ARLWAHVYAG APVSSPEYTK KIENLCAMGF DRNAVIVALS SKSWDVTETAT ELLLSN
Characteristics:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 K/UBE2K (N-6His, SUMO tag)
Purity:	> 95 % as determined by reducing SDS-PAGE.
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 (UBE2K Products)
Background:	<p>Recombinant Human Ubiquitin-Conjugating Enzyme E2 K/UBE2K is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Asn200) of Human UBE2K fused with a 6His tag at the N-terminus.</p> <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>
Molecular Weight:	34.5 kDa
UniProt:	P61086

Application Details

Restrictions:	For Research Use only
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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 ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months