

## Recombinant Human HIP2/UBE2K Protein (His Tag, SUMO Tag)

Catalog Number: PKSH033186

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

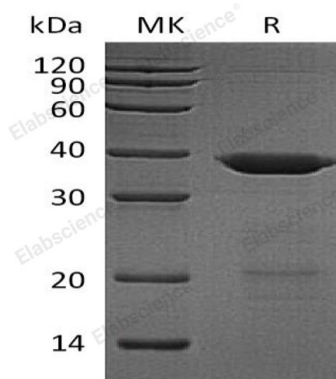
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human HIP2/UBE2K protein Met 1-Asn200, with an N-terminal His & SUMO
<b>Calculated MW</b>	34.5 kDa
<b>Observed MW</b>	38 kDa
<b>Accession</b>	P61086
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM PB, 8% Sucrose, 100mM NaCl, 0.05% Tween 80, pH 7.5.

### Data



> 90 % as determined by reducing SDS-PAGE.

### 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 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.

### For Research Use Only