

Recombinant Human HIP2/UBE2K Protein (GST Tag)

Catalog Number: PKSH033187



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

Description

Species	Human
Mol_Mass	48.7 kDa
Accession	P61086
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at $< -20^{\circ}\text{C}$, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at $< -20^{\circ}\text{C}$.
Formulation	Supplied as a $0.2\ \mu\text{m}$ filtered solution of 50mM HEPES, 150mM NaCl, 2mM DTT, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

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.

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