abcam

Product datasheet

Recombinant Human UBR1 protein ab165841

1 Image

Description

Product name	Recombinant Human UBR1 protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ADEEAGGTERMEISAELPQTPQRLASWWDQQVDFYTAFL HHLAQLVPEIY FAEMDPDLEKQEESVQMSIFTPLEWYLFGEDPDICLEKLK HSGAFQLCG
Amino acids	2 to 100
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab165841** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

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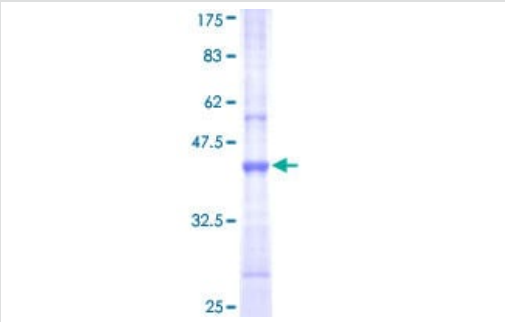
Function	E3 ubiquitin-protein ligase which is a component of the N-end rule pathway. Recognizes and binds to proteins bearing specific N-terminal residues that are destabilizing according to the N-end rule, leading to their ubiquitination and subsequent degradation. May be involved in pancreatic homeostasis. Binds leucine and is a negative regulator of the leucine-mTOR signaling pathway, thereby controlling cell growth.
Tissue specificity	Broadly expressed, with highest levels in skeletal muscle, kidney and pancreas. Present in acinar cells of the pancreas (at protein level).
Pathway	Protein modification; protein ubiquitination.
Involvement in disease	Defects in UBR1 are a cause of Johanson-Blizzard syndrome (JBS) [MIM:243800]. This disorder includes congenital exocrine pancreatic insufficiency, multiple malformations such as nasal wing aplasia, and frequent mental retardation. Pancreas of individuals with JBS do not express UBR1 and show intrauterine-onset destructive pancreatitis.
Sequence similarities	Belongs to the UBR1 family. Contains 1 RING-type zinc finger. Contains 1 UBR-type zinc finger.
Developmental stage	Expressed in fetal pancreas.
Domain	The RING-H2 zinc finger is an atypical RING finger with a His ligand in place of the fourth Cys of the classical motif.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm > cytosol.

Images



SDS-PAGE - Recombinant Human UBR1 protein (ab165841)

ab165841 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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- Response to your inquiry within 24 hours

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