

Product datasheet

Recombinant Human PIK3C2B protein ab159125

1 Image

Overview

Product name	Recombinant Human PIK3C2B protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	MSSTQDNGEHWKSLESVGISRKELAMAEALQMEYDA LSRLRHDKEENRAK QNADPSLISWDEPGVDFYSKPAGRRTDLKLLRGLSGS DPTLNYNLSLPQE GPPNHSTSQG
Amino acids	1 to 110
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab159125** 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	Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

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

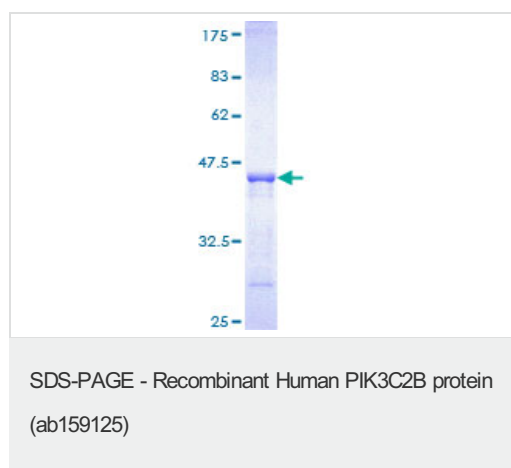
Relevance

The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The PI3-kinase activity of this protein is sensitive to low nanomolar levels of the inhibitor wortmanin. The C2 domain of this protein was shown to bind phospholipids but not Ca^{2+} , which suggests that this enzyme may function in a calcium-independent manner.

Cellular localization

Microsome. Cell membrane. Cytoplasm, cytosol. Nucleus. Note=Found mostly in the microsome, but also in the plasma membrane and cytosol. Nuclear in testis.

Images



ab159125 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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