

Product datasheet

Recombinant Human AMPK beta 2/PRKAB2 protein (denatured) ab137165

1 Image

Description

Product name	Recombinant Human AMPK beta 2/PRKAB2 protein (denatured)	
Purity	> 90 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	O43741	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHEMGNTTS DRVSGERHGA KAARSEGAGG HAPGKEHKIM VGSTDDPSVF SLPDSKLPD KEFVSWQQDL EDSVKPTQQA RPTVIRWSEG GKEVFISGSF NNWSTKIPLI KSHNDFVAIL DLPEGEHQYK FFVDGQWVHD PSEPVVTSQL GTINLIHVK KSDFEVFDAL KLDSMESSET SCRDLSSSPP GPYQEMYAF RSEERFKSPP ILPPLLQVI LNKDTNISCD PALLPEPNHV MLNHLIALSI KDSVMVLSAT HRYKKKYVTT LLYKPI	
Predicted molecular weight	33 kDa including tags	
Amino acids	1 to 272	
Tags	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab137165** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as AMPK beta 2

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 12.01% Urea, 0.32% Tris HCl, 10% Glycerol

General Info

Function

AMPK is responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. Also regulates cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl-CoA reductase and hormone-sensitive lipase. This is a regulatory subunit, may be a positive regulator of AMPK activity. It may also serve as an adapter molecule for the catalytic alpha-subunit.

Sequence similarities

Belongs to the 5'-AMP-activated protein kinase beta subunit family.

Post-translational modifications

Phosphorylated when associated with the catalytic subunit.

Images



15% SDS-PAGE analysis of ab137165 (3µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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