

## 32-3100: PRKAB2 Recombinant Protein

**Alternative Name :** 5'-AMP-activated protein kinase subunit beta-2,AMPK subunit beta-2.

### Description

Source : E.coli. PRKAB2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 296 amino acids (1-272) and having a molecular mass of 32.8kDa. PRKAB2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PRKAB2 is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer contains an alpha catalytic subunit and non-catalytic beta and gamma subunits. AMPK is a significant energy-sensing enzyme that supervises cellular energy status. AMPK is activated as a reply to cellular metabolic stresses, therefore phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), vital enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. PRKAB2 is a positive regulator of AMPK activity and highly expressed in skeletal muscle.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The PRKAB2 solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH8.0), 10% glycerol and 2M Urea.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SGLVPRGSH MGSHMGNTTS DRVSGERHGA KAARSEGAGG HAPGKEHKIM VGSTDDPSVF SLPDSKLPGD KEFVSWQQDL EDSVKPTQQA RPTVIRWSEG GKEVFISGSF NNWSTKIPLI KSHNDFVAIL DLPEGEHQYK FFVDGQWVHD PSEPVVTSQL GTINNLIHVK KSDFEVFDAL KLDSMESSET SCRDLSSPP GPYQEMYAF RSEERFKSPP ILPPHLLQVI LNKDTNISCD PALLPEPNHV MLNHLYALSI KDSVMVLSAT HRYKKKYVTT LLYKPI.

