

Protein Kinase, AMP-Activated, Beta 1 non-Catalytic Subunit Human

Item Number	rAP-1672
Synonyms	AMPK, HAMPKb, 5'-AMP-activated protein kinase subunit beta-1, AMPK subunit beta-1, AMPKb, PRKAB1.
Description	PRKAB1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 293 amino acids (1-270 a.a.) and having a molecular mass of 32.8 kDa. The PRKAB1 is fused to a 23 amino acid His Tag at N-Terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9Y478
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGNTSSE RAALERHGGH KTPRRDSSGG TKDGDPRKIL MDSPEADALF HSEEEKAPEK EEFLAWQHDL EVNDKAPAQA RPTVFRWTGG GKEVYLSGSF NNWSK- LPLTR SHNNFVAILD LPEGEHQYKF FVDGQWTHDP SEPIVTSQLG TVNNIIQVKK TDFEVFDALM VDSQKCS DVS ELSSPPGPY HQEPYVCKPE ERFRAAPPILP PHLLQVILNK DTGISCDPAL LPEP- NHVMLN HLYALSIKDG VMVLSATHRY KKKYVTTLTY KPI
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The PRKAB1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**