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Product Information

AMPKα1／β1／γ1(PRKAA1／B1／G1)

Product Number : **02-113**

Product description

Truncated human AMPKα1 [10-559(end) amino acids of accession number NP_006242.5] was co-expressed as N-terminal GST-fusion protein (90 kDa) with GST-PRKAB1 [1-270(end) amino acids of accession number NP_006244.2] and PRKAG1 [1-331(end) amino acids of accession number NP_002724.1] using baculovirus expression system. GST-AMPKα1/β1/γ1 was purified by using glutathione sepharose chromatography and activated with His-tagged CaMKK1. Activated GST-AMPKα1/β1/γ1 was purified by using glutathione sepharose chromatography.

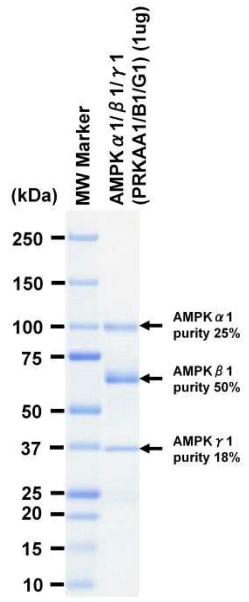
Storage buffer:

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35,
1 mM DTT, 10% glycerol, pH7.5

Storage and Handling:

Store at -80C.
Avoid repeating freeze-thaws.

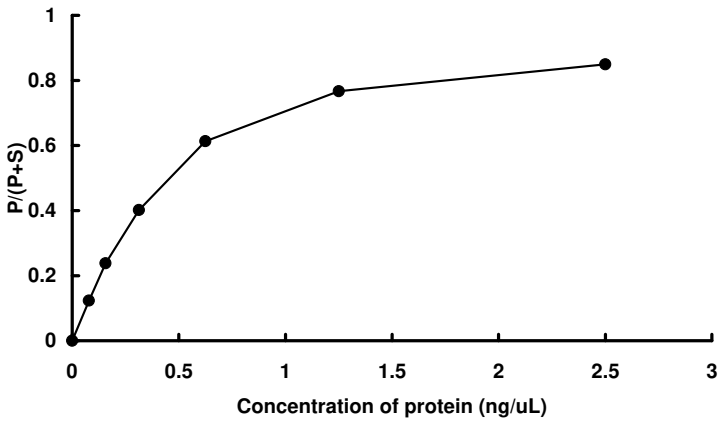
SDS-PAGE



Purity: 93 %

The purity was assessed by SDS-PAGE/CBB staining.

Activity data



The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorecence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device.

Substrate : SAMS peptide

ATP : 100 μM

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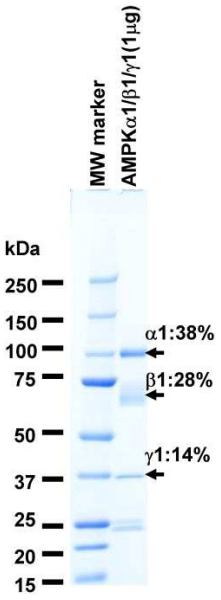
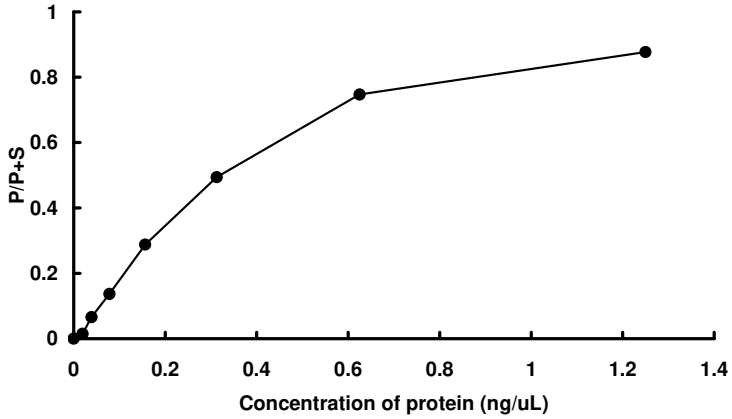


Purity: 81 %

The purity was assessed by SDS-PAGE/CBB staining.

Activity data



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