



# Creative Enzymes

Diagnostic Enzymes

## Human AMPK $\alpha$ 1/ $\beta$ 2/ $\gamma$ 1 Protein (BTN-Tag), Recombinant

### Product Information

|                         |  |
|-------------------------|--|
| <b>Cat#</b>             | TRA-438  |
| <b>Specification</b>    | 10 $\mu$ g(min)  |
| <b>Description</b>      | Truncated human AMPK $\alpha$ 1 was co-expressed as an N-terminal DYKDDDDK-tagged, biotinylated protein and PRKAG1 using a baculovirus expression system. The complex was isolated via DYKDDDDK tag antibody agarose, activated with His-tagged CaMKK1, and the activated complex was re-purified using DYKDDDDK tag antibody agarose. |
| <b>Applications</b>     | For use in comprehensive AMPK isoform-specific detection panels.   |
| <b>Synonyms</b>         | PRKAA1, AMPK, AMPK $\alpha$ 1  |
| <b>Source</b>           | Insect (sf21)  |
| <b>Class</b>            | Serine/Threonine Kinase  |
| <b>Group</b>            | CAMK   |
| <b>Family</b>           | CAMKL  |
| <b>Gene Name</b>        | PRKAA1   protein kinase AMP-activated catalytic subunit alpha 1  |
| <b>Sequence</b>         | 10-559 (end)   |
| <b>Accession Number</b> | NP_006242.5  |
| <b>Tag</b>              | BTN-Tag  |
| <b>Tag Location</b>     | N-terminal DYKDDDDK  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH 7.5  |
| <b>Storage</b>          | Store at -80°C. Avoid repeating freeze-thaws.  |

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