

## Certificate of Analysis

<b>Product</b>	<b>AMPK peptide substrate, HMRSAMSGHLHLVKRR</b>
Cat No	PKS-004-01
Lot No	851-211004
<b>Description</b>	The synthetic peptide HMRSAMSGHLHLVKRR can be used as a substrate for AMP activated protein kinase (AMPK) in <i>in vitro</i> kinase assays. It is phosphorylated by human AMPK in the presence of 200 microM 5'-AMP with a $K_m$ of 36 microM and a $V_{max}$ of 0.45 nmol/min/mg. M.W. 1,779
<b>Purity</b>	90 - 95 % (by HPLC)
<b>Form</b>	Lyophilized powder Reconstitution in H <sub>2</sub> O dest.
<b>Package size</b>	1 mg
<b>Storage condition</b>	-20 °C
<b>Shipment conditions</b>	room temperature

## References

Davies SP, Carling D, Hardie DG (1989) Eur J Biochem 186: 123-128.  
Sullivan JE, Carey F, Carling D, Beri RK (1994) Biochem Biophys Res Commun 200: 1551-1556.

*Material for in vitro research use only. Not for pharmaceutical or drug application. Material does not contain any animal products such as albumin.*

**AVOID FREEZE/THAW CYCLES**