

# Product Datasheet

## Recombinant Human AMPK alpha 2 GST (N-Term) Protein H00005563-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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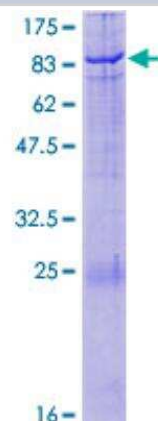


**H00005563-P01-2ug****Recombinant Human AMPK alpha 2 GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	2 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	88.7 kDa
<b>Product Description</b>	
<b>Description</b>	<p>Recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-552 of Human PRKAA2</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MAEKQKHDGRVKIGHYVLGDTLGVGTFGKVKIGEHLTGHKVAVKILNRQKIRS  LDVVGKIKREIQNLKLFRRHPHIKLYQVISTPTDFFMVMMEYVSGGELFDYICKHGR  VEEMEARRLFQQILSAVDYCHRHMVVHRDLKPENVLLDAHMNAKIADFGLSNM  MSDGEFLRTSCGSPNYAAPEVISGRLYAGPEVDIWSGCVILYALLCGTLPFDDE  HVPTLFFKIRGGVFYIPEYLNRSVATLLMHMLQVDPLKRATIKDIREHEWFKQDL  PSYLPEDPSYDANVIDDEAVKEVCEKFECTESEVMNSLYSGDPQDQLAVAYH  LIIDNRRIMNQASEFYLASSPPSGSFMDDSAMHIPPGLKPHPERMPPLIADSPKA  RCPLDALNTTKPKSLAVKKAKWHLGIRSQSKPYDIMAEVYRAMKQLDFEWKVV  NAYHLRVRRKNPVTGNYVKMSLQLYLVDNRSYLLDFKSIDDEVVEQRSGSSTP  QRSCSAAGLHRPRSSFDSTTAESHSLSGSLTGSLTGSTLSSVSPRLGSHTMDF  FEMCASLITTLAR</p>
<b>Gene ID</b>	5563
<b>Gene Symbol</b>	PRKAA2
<b>Species</b>	Human
<b>Preparation Method</b>	in vitro wheat germ expression system
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification

## Images

Recombinant Human AMPK alpha 2 Protein [H00005563-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Peng J, Lejjao R, Li Z et al. Negative regulation of AMPK signaling by high glucose via E3 ubiquitin ligase MG53. *Mol Cell*. 2021-01-04 [PMID: 33400924]

Zhu Q, Ghoshal S, Rodrigues A et al. Adipocyte-specific deletion of Ip6k1 reduces diet-induced obesity by enhancing AMPK-mediated thermogenesis. *J Clin Invest* 2016-11-01 [PMID: 7701146]



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### **Limitations**

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