

Recombinant Human PRKAG3 293 Cell Lysate

Cat. No. PRKAG3-2863HCL **Lot. No.** (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for protein kinase, AMP-activated, gamma 3 non-catalytic subunit (PRKAG3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| Components | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| Size | 0.1 mg |
| Storage Instruction | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |
| Applications | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

| | |
|----------------------------|---|
| Gene Name | PRKAG3 protein kinase, AMP-activated, gamma 3 non-catalytic subunit [Homo sapiens] |
| Official Symbol | PRKAG3 |
| Synonyms | PRKAG3; protein kinase, AMP-activated, gamma 3 non-catalytic subunit; 5-AMP-activated protein kinase subunit gamma-3; AMPK gamma3; AMPK gamma-3 chain; AMPK subunit gamma-3; 5-AMP-activated protein kinase, gamma-3 subunit; AMPKG3; |
| Gene ID | 53632 |
| mRNA Refseq | NM_017431 |
| Protein Refseq | NP_059127 |
| UniProt ID | Q9UGI9 |
| Chromosome Location | 2q35 |
| Pathway | AMPK signaling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Energy Metabolism, organism-specific biosystem; Energy dependent regulation of mTOR by LKB1-AMPK, organism-specific biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem; Hypertrophic cardiomyopathy (HCM), conserved biosystem; |

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Function

AMP-activated protein kinase activity; ATP binding; nucleotide binding; protein kinase binding;

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