

Recombinant Human GRK1 293 Cell Lysate

Cat. No. GRK1-5739HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for G protein-coupled receptor kinase 1 (GRK1) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	GRK1 G protein-coupled receptor kinase 1 [Homo sapiens]
Official Symbol	GRK1
Synonyms	GRK1; G protein-coupled receptor kinase 1; rhodopsin kinase , RHOK; rhodopsin kinase; GPRK1; RK; RHOK;
Gene ID	6011
mRNA Refseq	NM_002929
Protein Refseq	NP_002920
MIM	180381
UniProt ID	Q15835
Chromosome Location	13q34
Pathway	Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Phototransduction, organism-specific biosystem; Phototransduction, conserved biosystem; Visual signal transduction: Cones, organism-specific biosystem;

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Function

ATP binding; G-protein coupled receptor kinase activity; nucleotide binding; protein kinase activity; rhodopsin kinase activity;

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