

Recombinant Human GRK2 Protein, His/GST-tagged

Cat. No. GRK2-386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRK2(Asp398~Leu640) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp398~Leu640
Description	The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	60.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein

Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others

GENE INFORMATION

Gene Name

GRK2 G protein-coupled receptor kinase 2 [Homo sapiens]

Official Symbol

GRK2

Synonyms

BARK1; ADRBK1; BETA-ARK1; adrenergic beta receptor kinase 1; beta-ARK-1

Gene ID

156

mRNA Refseq

NM_001619

Protein Refseq

NP_001610

UniProt ID

P25098

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