

Recombinant Human GRK2 Protein (2-221 aa), His-tagged

Cat. No. GRK2-1177H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRK2 Protein (2-221 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	2-221 aa
Description	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of th. Key regulator of LPAR1 signaling. Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor. Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner.
Form	Tris-based buffer,50% glycerol
Molecular Mass	29.6 kDa
AA Sequence	ADLEAVLADVSYLMAMEKSKATPAARASKILLPEPSIRSVMQKYLEDRGEVTFEKIF SQKLGYLLFRDFCLNHLEEARPLVEFYEEIKKYEKLETEEERVARSRIFDSYIMKELL ACSHPFSSKATEHVQGH LGKKQVPPDLFQPYIEEICQNLRGDVFQKFIESDKFTRFC QWKNNVELNIHLTMNDFSVHRIIGRGGFGEVYGCRKADTGKMYAMKC

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

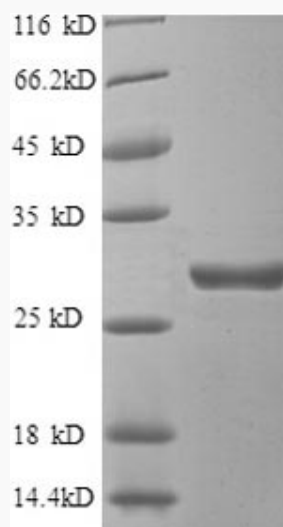
GENE INFORMATION

Gene Name	GRK2 G protein-coupled receptor kinase 2 [Homo sapiens (human)]
Official Symbol	GRK2
Synonyms	BARK1; ADRBK1; BETA-ARK1;
Gene ID	156
mRNA Refseq	NM_001619
Protein Refseq	NP_001610
UniProt ID	P25098

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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