

Active Recombinant Human GRK4 Protein

Cat. No. GRK4-5353H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GRK4 (NP_892027.2, 1 a.a. - 578 a.a.) full-length recombinant protein expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
Description	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating its deactivation. This gene has been linked to both genetic and acquired hypertension. [provided by RefSeq]
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: Modified PLKtide. ATP: 100 μ M.
Molecular Mass	67 kDa
Purity	78 % by SDS-PAGE/CBB staining

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Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

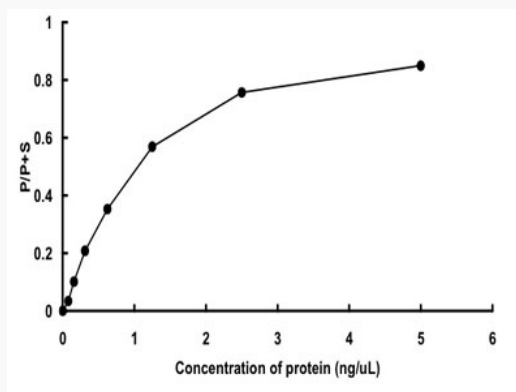
Gene Name	GRK4 G protein-coupled receptor kinase 4 [Homo sapiens]
Official Symbol	GRK4
Synonyms	GRK4; G protein-coupled receptor kinase 4; G protein coupled receptor kinase 2 like (Drosophila), GPRK2L; GPRK4; IT11; IT11; GRK4a; GPRK2L;
Gene ID	2868
mRNA Refseq	NM_001004056
Protein Refseq	NP_001004056
MIM	137026
UniProt ID	P32298

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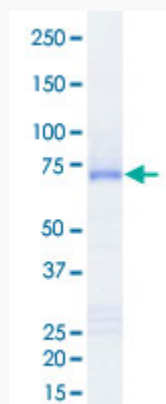
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Result of activity analysis



Quality Control Testing



Loading 1 µg protein in SDS-PAGE

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