Recombinant Human GRK5, His-tagged

Cat. No. GRK5-13541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRK5 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	186-590a.a.
Description	Biological redox reactions require electron donors and acceptor. Vitamin B2 is the source for the flavin in flavin adenine dinucleotide (FAD) and flavin mononucleotide (FMN) which are common redox reagents. This gene encodes a member of the riboflavin (vitamin B2) transporter family. Haploinsufficiency of this protein can cause maternal riboflavin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	GRK5 G protein-coupled receptor kinase 5 [Homo sapiens]

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Official Symbol	GRK5
Synonyms	GRK5; G protein-coupled receptor kinase 5; GPRK5; FP2025; g protein-coupled receptor kinase GRK5; FLJ39780;
Gene ID	2869
mRNA Refseq	NM_005308
Protein Refseq	NP_005299
MIM	600870
UniProt ID	P34947
Chromosome Location	10q24-qter
Pathway	Alpha-synuclein signaling, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; G alpha (q) signalling events, organism-specific biosystem;
Function	ATP binding; G-protein coupled receptor kinase activity; nucleotide binding; phospholipid binding; protein binding; protein kinase C binding; protein serine/threonine kinase activity;

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