

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°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 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]

 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

| | |
|----------------------------|--|
| 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; |

 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