



# Recombinant Human Rhodopsin kinase (GRK1)

<b>Product Code</b>	CSB-MP623016HU
<b>Abbreviation</b>	GRK1
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q15835
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MDFGSLETVV ANSAFIAARG SFDGSSSQPS RDKKYLAKLK LPPLSKCESL RDSLSLEFES VCLEQPIGKK LFQQFLQSAE KHLPALELWK DIEDYDTADN DLQPQKAQTI LAQYLDPQAK LFCSFLDEGI VAKFKEGPVE IQDGLFQPLL QATLAHLGQA PFQEYLGSLY FLRFLQWKWL EAQPMGEDWF LDFRVLGKGG FGEVSACQMK ATGKLYACKK LNKKRLKCRK GYQGAMVEKK ILMKVHSRFI VSLAYAFETK ADLCLVMTIM NGGDIRYHIY NVNEENPGFP EPRALFYTAQ IICGLEHLHQ RRIVYRDLKP ENVLLDNDGN VRISDLGLAV ELLDGQSKTK GYAGTPGFMA PELLQGEEYD FSDYDFALGV TLYEMIAARG PFRARGEKVE NKELKHRIIS EPVKYPDKFS QASKDFCEAL LEKDPEKRLG FRDETCDKLR AHPLFKDLNW RQLEAGMLMP PFIPDSKTVY AKDIQDVGAF STVKGVAFDK TDTEFFQEFA TGNCPWPQE EMIETGIFGE LNVWRSDGQM PDDMKGISGG SSSSSKSGMC
<b>Source</b>	Mammalian cell
<b>Target Names</b>	GRK1
<b>Protein Names</b>	Recommended name: Rhodopsin kinase Short name= RK EC= 2.7.11.14 Alternative name(s): G protein-coupled receptor kinase 1
<b>Expression Region</b>	1-560
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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 rhodopsin and initiates its deactivation. Defects in GRK1 are known to cause Oguchi disease 2 (also known as stationary night blindness Oguchi type-2).
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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