G Protein-Coupled Receptor Kinase 7 (GRK7) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	G protein-coupled receptor kinase 7 (GRK7), Recombinant Protein
Full Product Name	Recombinant Bovine G protein-coupled receptor kinase 7 (GRK7) , partial
Product Gene Name	GRK7 recombinant protein
Product Synonym Gene Name	GRK7
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	62,125 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8WMV0
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GRK7 recombinant protein	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser Thr protein kinase family. It is specifically expressed in the retina and the encoded protein has been shown to phosphorylate cone opsins and initiate their deactivation.
Other Notes	Small volumes of GRK7 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GRK7 purchase	MBS1350632 is a recombinant protein targeting GRK7. Also known as Recombinant Bovine G protein-coupled receptor kinase 7 (GRK7) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GRK7. It may not necessarily be applicable to this product.

NCBI GI #	27805903
NCBI GeneID	281802
NCBI Accession #	NP_776757.1
UniProt Primary Accession #	Q8WMV0
UniProt Related Accession #	Q8WMV0
GenBank Nucleotide #	NM_174332.3

NCBI Official Full Name	rhodopsin kinase
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 7
NCBI Official Symbol	GRK7
NCBI Official Synonym Symbols	GPRK7
UniProt Protein Name	Rhodopsin kinase
UniProt Synonym Protein Names	G protein-coupled receptor kinase 7; G protein-coupled receptor kinase GRK7
Protein Family	Rhodopsin kinase
UniProt Gene Name	GRK7
NCBI Protein Information	rhodopsin kinase
UniProt Comments for GRK7	Retina-specific kinase involved in the shutoff of the photoresponse and adaptation to changing light conditions via cone opsin phosphorylation, including rhodopsin (RHO).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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