Recombinant Rat Phosducin (Pdc)

Product Code	CSB-BP017663RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P20942
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MEEAASQSLE EDFEGQATHT GPKGVINDWR KFKLESEDGD SIPPSKKEIL RQMSSPQSRD DKDSKERMSR KMSIQEYELI HQDKEDEGCL RKYRRQCMQD MHQKLSFGPR YGFVYELETG EQFLETIEKE QKVTTIVVNI YEDGVRGCDA LNSSLECLAA EYPMVKFCKI RASNTGAGDR FSSDVLPTLL VYKGGELISN FISVAEQFAE DFFAADVESF LNEYGLLPER EIHDLGQTNT EDEDIE
Source	Baculovirus
Target Names	Pdc
Protein Names	Recommended name: Phosducin Short name= PHD Alternative name(s): 33 kDa phototransducing protein Protein MEKA Rod photoreceptor 1 Short name= RPR-1
Expression Region	1-246
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a phosphoprotein, which is located in the outer and inner segments of the rod cells in the retina. This protein may participate in the regulation of visual phototransduction or in the integration of photoreceptor metabolism. It modulates the phototransduction cascade by interacting with the beta and gamma subunits of the retinal G-protein transducin. This gene is a potential candidate gene for retinitis pigmentosa and Usher syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified.
Reconstitution	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.
Shelf Life	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.