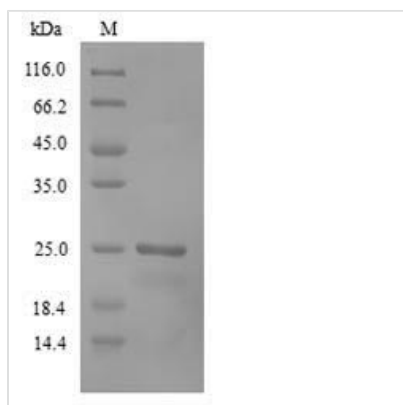




Recombinant Human Recoverin (RCVRN)

Product Code	CSB-YP019519HU
Relevance	Seems to be implicated in the pathway from retinal rod guanylate cyclase to rhodopsin. May be involved in the inhibition of the phosphorylation of rhodopsin in a calcium-dependent manner. The calcium-bound recoverin prolongs the photoresponse.
Abbreviation	Recombinant Human RCVRN protein
Storage	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.
Uniprot No.	P35243
Alias	Cancer-associated retinopathy protein Short name: Protein CAR
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GNSKSGALSKEILEELQLNTEKFSEEEELCSWYQSFLKDCPTGRITQQQFQSIYAK FFPDTDPKAYAQHVFERSFDSNLDGTLDFKEYVIALHMTTAGKTNQKLEWAFSL YDVDGNGTISKNEVLEIVMAIFKMITPEDVKLLPDDEPTEKRAEKIWKYFGKN DDDKLTEKEFIEGTLANKEILRLIQFEPQKVKEKMKNA
Research Area	Neuroscience
Source	Yeast
Target Names	RCVRN
Protein Names	Recommended name: Recoverin Alternative name(s): Cancer-associated retinopathy protein Short name= Protein CAR
Expression Region	2-200aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	25.0kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.