

Recoverin Recombinant Protein | RCVRN recombinant protein

Recombinant Human Recoverin

CATALOG # AAA18509	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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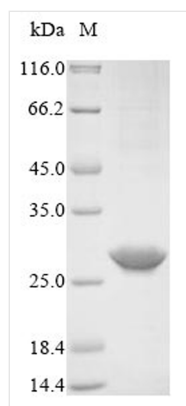
PRODUCT SYNONYMS

Recoverin; Recombinant Human Recoverin; Cancer-associated retinopathy protein; Protein CAR; RCVRN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-200aa; Full Length of Mature Protein
Sequence	GNSKSGALSK EILEELQLNT KFSEELCSW YQSFLKDCPT GRITQQQFQS IYAKFFPDTD PKAYAQHVFR SFDSNLDGTL DFKEYVIALH MTTAGKTNQK LEWAFSLYDV DGNGTISKNE VLEIVMAIFK MITPEDVKLL PDDENTPEKR AEKIWKYFGK NDDDKLTEKE FIEGTLANKE ILRLIQFEPQ KVKEKMKNA
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for RCVRN recombinant protein	Ses 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.
Product Categories/Family for RCVRN recombinant protein	Neuroscience

References

Isolation of human retinal genes recoverin cDNA and gene.Murakami A., Yajima T., Inana G.Biochem. Biophys. Res. Commun. 187:234-244(1992) Molecular cloning and nucleotide sequence of a cDNA encoding recoverin from human retina.Wiechmann A.F., Hammarback J.A.Exp. Eye Res. 56:463-470(1993) The cancer-associated retinopathy antigen is a recoverin-like protein.Thirkill C.E., Tait R.C., Tyler N.K., Roth A.M., Keltner J.L.Invest. Ophthalmol. Vis. Sci. 33:2768-2772(1992) Expression of a photoreceptor protein, recoverin, as a cancer-associated retinopathy autoantigen in human lung cancer cell lines.Matsubara S., Yamaji Y., Sato M., Fujita J., Takahara J.Br. J. Cancer 74:1419-1422(1996) Kalnine N., Chen X., Rolfs A., Halleck A., Hines L., Eisenstein S., Koundinya M., Raphael J., Moreira D., Kelley T., LaBaer J., Lin Y., Phelan M., Farmer A.Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Full-length transcriptome analysis of human retina-derived cell lines ARPE-19 and Y79 using the vector-capping method.Oshikawa M., Tsutsui C., Ikegami T., Fuchida Y., Matsubara M., Toyama S., Usami R., Ohtoko K., Kato S.Invest. Ophthalmol. Vis. Sci. 52:6662-6670(2011) Mural R.J., Istrail S., Sutton G., Florea L., Halpern A.L., Mobarry C.M., Lippert R., Walenz B., Shatkay H., Dew I., Miller J.R., Flanigan M.J., Edwards N.J., Bolanos R., Fasulo D., Halldorsson B.V., Hannonhalli S., Turner R., Yooseph S., Lu F., Nusskern D.R., Shue B.C., Zheng X.H., Zhong F., Delcher A.L., Huson D.H., Kravitz S.A., Mouchard L., Reinert K., Remington K.A., Clark A.G., Waterman M.S., Eichler E.E., Adams M.D., Hunkapiller M.W., Myers E.W., Venter J.C. A photoreceptor calcium binding protein is recognized by autoantibodies obtained from patients with cancer-associated retinopathy.Polans A.S., Buczylo J., Crabb J., Palczewski K.J. Cell Biol. 112:981-989(1991) Crystal structure of human recoverin at 2.2 Å resolution.RIKEN structural genomics initiative (RSGI) Submitted (FEB-2007) to the PDB data bank

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506459
NCBI GeneID	5957
NCBI Accession #	NP_002894.1
NCBI GenBank Nucleotide #	NM_002903.2
UniProt Accession #	P35243; Q53XL0
Molecular Weight	25 kDa
NCBI Official Full Name	recoverin
NCBI Official Synonym Full Names	recoverin
NCBI Official Symbol	RCVRN
NCBI Official Synonym Symbols	RCV1
NCBI Protein Information	recoverin
UniProt Protein Name	Recoverin
UniProt Gene Name	RCVRN
UniProt Synonym Gene Names	RCV1; Protein CAR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rcvm-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/18509>