Regucalcin (RGN) Rabbit Recombinant Protein

PRODUCT OVERVIEW

Product Name	Regucalcin (RGN), Recombinant Protein
Full Product Name	Recombinant Rabbit Regucalcin (RGN)
Product Gene Name	RGN recombinant protein
Product Synonym Gene Name	RGN
Sequence	MSSIKIECVL PENCHCGESP VWEEASGSLL FVDIPGKKFC RWNPLTKAVQ RMTMDAPVTS VALRKSGGYV ATVGTKFCAL NLEDQSVVAL ATVDKDKKNN RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGSLYALFPD HQVKKYFDQV DISNGLDWSL DHKIFYYIDS LAYSVDAFDY DLQTGQISNR RSIYKLEKEE QIPDGMCIDT EGKLWVACYN GGRVIRLDPE TGKRLQTVKL PVDKTTSCCF GGKDYSEMYV TCARDGLDPD SLSRQPEAGG IFKITGLGVK GIPPYSYAG
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	33,109 Da
Sequence Positions	1-299, Full length protein
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 Q9TTJ6
Species	Rabbit
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RGN recombinant protein	This protein is a highly conserved, calcium-binding protein, that is preferentially expressed in the liver and kidney. It may have an important role in calcium homeostasis. Studies in rat indicate that this protein may also play a role in aging, as it shows age-associated down-regulation. This gene is part of a gene cluster on chromosome Xp11.3-Xp11.23. Alternative splicing results in two transcript variants having different 5 UTRs, but encoding the same protein.
Other Notes	Small volumes of RGN 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 RGN purchase	MBS1341477 is a recombinant protein targeting RGN. Also known as Recombinant Rabbit Regucalcin (RGN). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	126722755

NCBI GeneID	100008619
NCBI Accession #	NP_001075472.1
UniProt Primary Accession #	Q9TTJ6
UniProt Related Accession #	Q9TTJ6
GenBank Nucleotide #	NM_001082003.1
NCBI Official Full Name	regucalcin
NCBI Official Symbol	RGN
NCBI Official Synonym Symbols	GNL
UniProt Protein Name	Regucalcin
UniProt Synonym Protein Names	Gluconolactonase (EC:3.1.1.17); GNL; Senescence marker protein 30; SMP-30
Protein Family	Regucalcin
UniProt Gene Name	RGN
UniProt Synonym Gene Names	SMP30; RC; GNL; SMP-30
NCBI Protein Information	regucalcin
UniProt Comments for RGN	Gluconolactonase with low activity towards other sugar lactones, including gulonolactone and galactonolactone. Catalyzes a key step in ascorbic acid (vitamin C) biosynthesis. Can also hydrolyze diisopropyl phosphorofluoridate and phenylacetate (in vitro). Calcium-binding protein. Modulates Ca2+ signaling, and Ca2+-dependent cellular processes and enzyme activities ().
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/regucalcin-rgn/1341477