Regucalcin (RGN) Recombinant Protein

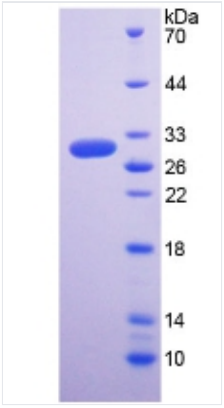
PRODUCT OVERVIEW

Product Name	Regucalcin (RGN), Recombinant Protein
Full Product Name	Recombinant Regucalcin (RGN)
Product Gene Name	RGN recombinant protein
Product Synonym Names	RC; SMP30; GNL; Senescence Marker Protein-30; Gluconolactonase
Sequence	QSGGYV ATIGTKFCAL NWKEQSAVVL ATVDNDKKNN RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGALYSLFPD HHVKKYFDQV DISNGLDWSL DHKIFYYIDS LSYSVDAFDY DLQTGQISNR RSVYKLEKEE QIPDGMCIDA EGKLWVACYN GGRVIRLDPV TGKRLQTVKL PVDKTTSCCF GGKNYSEMYV TCARDGMDPE GLLRQPEAGG IFKITGLGVK GIAPYSYAG
Host	E Coli
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Purity/Purification	>95%
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: RGN (MBS2032773) Immunogen: RGN (MBS2033054)
Matching Pairs	APC-CY7 Conjugated Antibody: RGN (MBS2068057) Immunogen: RGN (MBS2033054)
Matching Pairs	PE Conjugated Antibody: RGN (MBS2068058) Immunogen: RGN (MBS2033054)
Matching Pairs	APC Conjugated Antibody: RGN (MBS2068059) Immunogen: RGN (MBS2033054)
Matching Pairs	Cy3 Conjugated Antibody: RGN (MBS2068060) Immunogen: RGN (MBS2033054)
Matching Pairs	FITC Conjugated Antibody: RGN (MBS2068061) Immunogen: RGN (MBS2033054)
Matching Pairs	HRP Conjugated Antibody: RGN (MBS2068062) Immunogen: RGN (MBS2033054)
Matching Pairs	Biotin Conjugated Antibody: RGN (MBS2094854) Immunogen: RGN (MBS2033054)
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Predicted Molecular Mass	29.8kDa
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Endotoxin Level	<1.0EU per 1 ug (determined by the LAL method)

Expression System	Prokaryotic expression
Fragment	Gln65~Gly299
Organism Species	Human
Tag	two N-terminal Tags, His-tag and T7-tag
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for RGN recombinant protein	SDS-PAGE, Western (WB), ELISA (EIA), Immunoprecipitation (IP).
Related Product Information for RGN recombinant protein	MBS2033054 is a recombinant protein targeting RGN. Also known as Recombinant Regucalcin (RGN). Host: E Coli.
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.

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                QSGGYV ATIGTKFCAL NWKEQSAVVL ATVDNDKKNN
RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGALYSLFPD HHVKKYFDQV
DISNGLDWSL DHKIFYYIDS LSYSVDAFDY DLQTGQISNR RSVYKLEKEE
QIPDGMCIDA EGKLWVACYN GGRVIRLDPV TGKRLQTVKL PVDKTTSCCF
GGKNYSEMYV TCARDGMDPE GLLRQPEAGG IFKITGLGVK GIAPYSYAG
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Sequence Information of RGN recombinant protein



SDS-Page of RGN recombinant protein

ADDITIONAL DETAILS

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

NCBI GI #	45551448
NCBI GeneID	32165
NCBI Accession #	NP_727588.2
GenBank Nucleotide #	NM_167316.2
NCBI Official Full Name	regucalcin, isoform D
NCBI Official Symbol	regucalcin
NCBI Official Synonym Symbols	CG1803; DmelCG1803; Regucalcin; T1
Protein Family	Regucalcin
NCBI Protein Information	CG1803 gene product from transcript CG1803-RA
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