



# Recombinant Rat Regucalcin (Rgn)

<b>Product Code</b>	CSB-MP019630RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	Q03336
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSSIKIECVL RENYRCGESP VWEASKLL FVDIPSKTVC RWDSISNRVQ RVGVDAPVSS VALRQSGGYV ATIGTKFCAL NWEDQSVFIL AMVDEDKKN RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGSLYSLFPD HSVKKYFDQV DISNGLDWSL DHKIFYIDS LSYTVDAFDY DLPTGQISNR RTVYKMEKDE QIPDGMCIDV EGKLWVACYN GGRVIRLDPE TGKRLQTVKL PVDKTTSCCF GGKDYSEMYV TCARDGMSAE GLLRQPDAGN IFKITGLGVK GIAPYSYAG
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Rgn
<b>Protein Names</b>	Recommended name: Regucalcin Short name= RC Alternative name(s): Gluconolactonase Short name= GNL EC= 3.1.1.17 Senescence marker protein 30 Short name= SMP-30
<b>Expression Region</b>	1-299
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.