Recombinant Rat Regucalcin (Rgn)

Product Code	CSB-BP019630RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q03336
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSSIKIECVL RENYRCGESP VWEEASKCLL FVDIPSKTVC RWDSISNRVQ RVGVDAPVSS VALRQSGGYV ATIGTKFCAL NWEDQSVFIL AMVDEDKKNN RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGSLYSLFPD HSVKKYFDQV DISNGLDWSL DHKIFYYIDS LSYTVDAFDY DLPTGQISNR RTVYKMEKDE QIPDGMCIDV EGKLWVACYN GGRVIRLDPE TGKRLQTVKL PVDKTTSCCF GGKDYSEMYV TCARDGMSAE GLLRQPDAGN IFKITGLGVK GIAPYSYAG
Source	Baculovirus
Target Names	Rgn
Protein Names	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
Expression Region	1-299
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
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.