



# Recombinant Human Regucalcin (RGN)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP623001HU  |
| <b>Abbreviation</b>      | RGN   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | Q15493  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MSSIKIECVL PENCRCGESP VWEVSNLL FVDIPAKKVC RWDSFTKQVQ<br>RVTMDAPVSS VALRQSGGYV ATIGTKFCAL NWKEQSAVVL ATVDNDKKNN<br>RFNDGKVDPA GRYFAGTMAE ETAPAVLERH QGALYSLFPD HHVKKYFDQV<br>DISNGLDWSL DHKIFYIDS LSYSVDAFDY DLQTGQISNR RSVYKLEKEE<br>QIPDGMCI DA EGKLWVACYN GGRVIRLDPV TGKRLQTVKL PVDKTTSCCF<br>GGKNYSEMYV TCARDGMDPE GLLRQPEAGG IFKITGLGVK GIAPYSYAG   |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | RGN   |
| <b>Protein Names</b>     | Recommended name: Regucalcin Short name= RC Alternative name(s):<br>Gluconolactonase Short name= GNL EC= 3.1.1.17 Senescence marker protein<br>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,   |



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