



# Recombinant Rat Ameloblastin (Ambn)

<b>Product Code</b>	CSB-YP730811RA
<b>Abbreviation</b>	Ambn
<b>Storage</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.
<b>Uniprot No.</b>	Q62840
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	VPAF PQQPGAQGMA PPGMASLSLE TMRQLGSLQG LNALSQYSRL GFGKALNSLW LHGLLPPHNS FPWIGPREHE TQQYEYSLPV HPPPLPSQPS LQPHQPGLKP FLQPTAATGV QVTPQKPGPH PPMHPGQLPL QEGELIAPDE PQVAPSENPP TPEVPIMDFA DPQFPTVFQI AHSLSRGPMA HNKVPTFYPG MFYMSYGANQ LNAPARIGFM SSEEMPGERG SPMAYGTLFP GYGGFRQTLR GLNQNSPKGG DFTVEVDSPV SVTKGPEKGE GPEGSPHQEA SPDKGENPAL LSQMAPGAHA GLLAFPNDHI PNMARGPAGQ RLLGVTPAAA DPLITPELAE VYETYGADVT TPLGDGEATM DITMSPDTQQ PPMPGNKVHQ PQVHNAWRFQ EP
<b>Source</b>	Yeast
<b>Target Names</b>	Ambn
<b>Protein Names</b>	Recommended name: Ameloblastin Short name= Amelin
<b>Expression Region</b>	27-422
<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 of Mature Protein
<b>Target Details</b>	Ameloblastin is thought to represent an unique ameloblast-specific gene product that may be important in enamel matrix formation and mineralization. The gene is located on chromosome 4 near other genes associated with mineralized tissues: osteopontin, bone sialoprotein, and bone morphogenetic protein 3. Based on its cytogenetic location, this gene is a candidate gene for one form of the disorder, dentinogenesis imperfecta, and/or the disorder, autosomal dominant amylogenesis imperfecta.
<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.

### Shelf Life

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