



# Recombinant Human Ameloblastin (AMBN)

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| <b>Product Code</b>      | CSB-MP882061HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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.<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>       | Q9NP70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>          | VPFF PQQSGTPGMA SLSLETMRQL GSLQRLNTLS QYSRYGFGKS<br>FNSLWMHGLL PPHSSLPWMR PREHETQQYE YSLPVHPPPL PSQPSLKPQQ<br>PGLKPFLQSA AATTNQATAL KEALQPPIHL GHLPLQEGEL PLVQQQVAPS<br>DKPPKPELPG VDFADPQGGS LPGMDFPDPQ GPSLPGLDFA DPQGSTIFQI<br>ARLISHGPMP QNKQSPLYPG MLYVPFGANQ LNAPARLGIM SSEEVAGGRE<br>DPMAYGAMFP GFGGMRPGFE GMPHNPAMGG DFTLEFDSPV<br>AATKGPENEE GGAQGSPMPE ANPDNLENPA FLTELEPAPH AGLLALPKDD<br>IPGLPRSPSG KMKGLPSVTP AAADPLMTPE LADVYRTYDA DMTTSVDFQE<br>EATMDTTMAP NSLQTSMPGN KAQEPEMMHD AWHFQEP    |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Target Names</b>      | AMBN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Names</b>     | Recommended name: Ameloblastin                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b> | 27-447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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 amyogenesis 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.

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### **Shelf Life**

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