

# Product Data Sheet

## Recombinant Human AMBN Protein

Catalog #	Source	Reactivity	Applications
CRP1043	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human AMBN Protein is produced by our mammalian expression system and the target gene encoding Val27-Pro447 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
<b>Gene Symbol</b>	AMBN		
<b>Alternative Names</b>	Ameloblastin		
<b>Entrez Gene</b>	258 (Human)		
<b>SwissProt</b>	Q9NP70 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	VPFFPQQSGT PGMASLSLET MRQLGSLQRL NTLQYSRYG FGKSFNSLWM HGLLPPhSSL PWMRPREHET QQYEYSLPVH PPPLPSQPSL KPQQPGLKPF LQSAATTNQ ATALKEALQP PIHLGHLPLQ EGELPLVQQQ VAPSDKPPKP ELPGVDFADP QGPSLPGMDF PDPQGPSLPG LDFADPQGST IFQIARLISH GPMPQNKQSP LYPGMLYVPF GANQLNAPAR LGIMSSEEVA GGREDPMAYG AMFPGFGGMR PGFEGMPHNP AMGGDFTLEF DSPVAATKGP ENEEGGAQGS PMPEANPDNL ENPAFLTELE PAPHAGLPAL PKDDIPGLPR SPSGKMKGLP SVTPAAADPL MTPELADVYR TYDADMTTSV DFQEEATMDT TMAPNSLQTS MPGNKAQEPE MMHDAWHFQE PVDHHHHHH		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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freeze-thaw cycles.

### Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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