

# Product Datasheet

## Recombinant Human Ameloblastin GST (N-Term) Protein H00000258-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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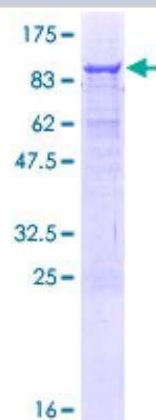


**H00000258-P01-10ug****Recombinant Human Ameloblastin GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	74.7 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-447 of Human AMBN</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MSASKIPLFKMKDLILILCLLEMSFAVPFFPQQSGTPGMASLSLETMRQLGSLQ  RLNTLSQYSRYGFGKSFNSLWMHGLLPPHSSLPWMPREHETQQYEYSLPVH  PPPLPSQPSLKPQQPGLKPFLQSAATTNQATALKEALQPPIHLGHLPLQEGEL  PLVQQQVAPSDKPPKPELPGVDFADPQGPSLPGMDFPDPQGPSLPLGLDFADP  QGSTIFQIARLISHGMPMPQNKQSPLYPGMLYVPFGANQLNAPARLGIMSSEEVA  GGREDPMAYGAMFPGFGGMRPGFEGMPHNPAMGGDFTLEFDSPVAATKGP  ENEEGGAQGSPMPEANPDNLENPAFLTELEPAPHAGLLALPKDDIPGLPRSPS  GKMKGLPSVTPAAADPLMTPELADVRYTYDADMTTSVDFQEEATMDTTMAPN  SLQTSMPGNKAQEPEMMHDAWHFQEP</p>
<b>Gene ID</b>	258
<b>Gene Symbol</b>	AMBN
<b>Species</b>	Human
<b>Preparation Method</b>	in vitro wheat germ expression system
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification

## Images

SDS-Page: Recombinant Human AMBN Protein [H00000258-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Chaweewannakorn W, Ariyoshi W, Okinaga T et al. Ameloblastin attenuates RANKL-mediated osteoclastogenesis by suppressing activation of nuclear factor of activated T-cell cytoplasmic 1 (NFATc1). *J Cell Physiol* 2018-08-13 [PMID: 30105896]

Geng S, White SN, Paine ML, Snead ML. Protein Interaction between Ameloblastin and Proteasome Subunit alpha Type 3 Can Facilitate Redistribution of Ameloblastin Domains within Forming Enamel. *J Biol Chem*. 2015-06-12 [PMID: 26070558]



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### **Products Related to H00000258-P01-10ug**

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AF808	Osteopontin/OPN Antibody [Unconjugated]
AF3026	Ameloblastin Antibody
NBP2-34270-0.1mg	Cytokeratin 14 Antibody (LL002)
AF4386	DMP-1 Antibody [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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