

Recombinant Human AMELX, GST-tagged

Cat. No. AMELX-9612H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMELX protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	25-191a.a.
Description	This gene encodes a member of the amelogenin family of extracellular matrix proteins. Amelogenins are involved in biomineralization during tooth enamel development. Mutations in this gene cause X-linked amelogenesis imperfecta. Alternative splicing results in multiple transcript variants encoding different isoforms.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	AMELX amelogenin, X-linked [Homo sapiens]
Official Symbol	AMELX

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Synonyms	AMELX; amelogenin, X-linked; AIH1, amelogenin (X chromosome, amelogenesis imperfecta 1) , AMG; amelogenin, X isoform; amelogenesis imperfecta 1; amelogenin (amelogenesis imperfecta 1, X-linked); amelogenin (X chromosome, amelogenesis imperfecta 1); AMG; AI1E; AIH1; ALGN; AMGL; AMGX;
Gene ID	265
mRNA Refseq	NM_001142
Protein Refseq	NP_001133
MIM	300391
UniProt ID	Q99217
Chromosome Location	Xp22.31-p22.1
Function	cell surface binding; growth factor activity; hydroxyapatite binding; identical protein binding; protein binding; structural constituent of tooth enamel; structural constituent of tooth enamel;