

Recombinant Human AMELX protein, GST-tagged

Cat. No. AMELX-519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AMELX full-length ORF (NP_001133.1, 1 a.a. - 191 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	48 kDa
AA Sequence	MGTWILFACLLGAAFAMPLPPHPGHPGYINFSYEVLTPLKWYQSIRPPYPSYGYEPM GGWLHHQIIPVLSQQHPPTHTLQPHHHIPVVPAAQQPVIPQQPMMPVPGQHSMTPIQ HHQPNLPPPAQQPYQPQPVQPQPHQPMQPQPPVHPMQPLPPQPPLPPMFPMQPL PPMLPDLTLEAWPSTDKTKREEVD
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [AMELX amelogenin, X-linked \[Homo sapiens \]](#)

Official Symbol [AMELX](#)

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](#)

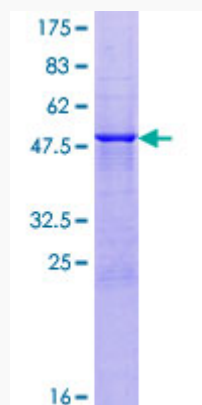
MIM [300391](#)

UniProt ID [Q99217](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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