Recombinant Full Length Human AMELX Protein, GST-tagged

Cat. No. AMELX-1026HF **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	In Vitro Cell Free System
ProteinLength	191 amino acids
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	MGTWILFACL LGAAFAMPLP PHPGHPGYIN FSYEVLTPLK WYQSIRPPYP SYGYEPMGGW LHHQIIPVLS QQHPPTHTLQ PHHHIPVVPA QQPVIPQQPM MPVPGQHSMT PIQHHQPNLP PPAQQPYQPQ PVQPQPHQPM QPQPPVHPMQ PLPPQPPLPP MFPMQPLPPM LPDLTLEAWP STDKTKREEV D
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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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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