

Product information

AMELX, 17-191aa

Human, His-tagged, Recombinant, *E.coli*

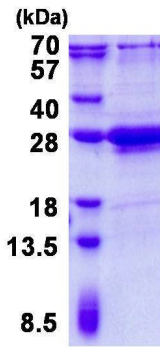
Cat. No. IBATGP1859

Full name: Amelogenin, X isoform isoform 1

NCBI Accession No.: NP_001133

Synonyms: Amelogenin, X-linked, AI1E, AIH1, ALGN, AMG, AMGL, AMGX

Description: AMELX is a member of the amelogenin family of extracellular matrix proteins. Amelogenins are involved in biomineralization during tooth enamel development. Mutations in AMELX cause X-linked amelogenesis imperfecta. Alternative splicing results in multiple transcript variants encoding different isoforms. Recombinant human AMELX protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 30% glycerol, 1mM DTT</p> <p>Molecular Weight: 22 kDa (198aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGSMLPPHP GHPGYINFSY EVLTPLKWYQ SIRPPYPSYG YEPMGWLHH QIIPVLSQQH PPTHTLQPHH HIPVVPAQQP VIPQQPMMPV PGQHSMTPIQ HHQPNLPPPA QQPYQPQPVQ PQPHQPMQPQ PPVHPMQPLP PQPPLPPMFP MQPLPPMLPD LTLEAWPSTD KTKREEVD</p>	

General references:

Patir A, Seymen F, et al. (2008). *Caries Res.* 42(5):394-400.

Zhu L, Tanimoto K, et al. (2009). *Cells Tissues Organs.* 189(1-4):203-6.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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