

Product datasheet for **AR50683PU-S**

Amelogenin (17-191, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Amelogenin (17-191, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMLPPHP GHPGYINFSY EVLTPWKWYQ SIRPPYPSYG YEPMGGWLHH QIIPVLSQQH PPTHTLQPHH HIPVVAQQP VIPQQPMPV PGQHSMTPIQ HHQPNLPPPA QQPYPQPVQ PQPHQPMQPQ PPVHPMQPLP PQPPLPPMFP MQPLPPMLPD LTLEAWPSTD KTKREEVD
Tag:	His-tag
Predicted MW:	22 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human AMELX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001133
Locus ID:	265
UniProt ID:	Q99217
Cytogenetics:	Xp22.2
Synonyms:	AI1E; AIH1; ALGN; AMG; AMGL; AMGX



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Summary:

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]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Product images: