

32-3179: AMELX Recombinant Protein

Alternative Name : Amelogenin X isoform,AMELX,AMG,AMGX,AI1E,AIH1,ALGN,AMGL.

Description

Source : Escherichia Coli. AMELX Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (17-191 a.a) and having a molecular mass of 22kDa.AMELX is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Amelogenin, X-Linked (AMELX) belongs to the amelogenin family of extracellular matrix proteins. Amelogenins have a role biomineralization during tooth enamel development. AMELX gene mutations cause X-linked amelogenesis imperfecta. AMELX regulates the formation of crystallites during the secretory stage of tooth enamel development. AMELX is transiently but amply expressed by ameloblasts during tooth development. Amelogenin is the principal protein in developing dental enamel.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	AMELX protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.5), 0.2M NaCl, 30% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSSLVPRGSH MGSMLPPHP GHPGYINFSY EVLTPWKWYQ SIRPPYPSYG YEPMGGWLHH QIIPVLSQQH PPTHTLQPHH HIPVVPAQQP VIPQQPMPV PGQHSMTPIQ HHQPNLPPPA QQPYQPQPQV QPHQPMQPQ PPVHPMQPLP QPPLPPMFP MQPLPMLPD LTLEAWPSTD KTKREEVD.