Recombinant Human Ameloblastin/AMBN Protein (His Tag)

Catalog Number: PKSH032061

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

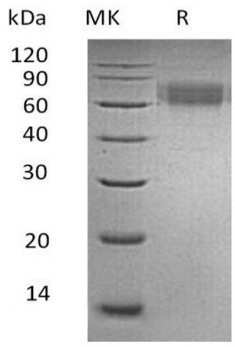
Description

Species	Human
Source	HEK293 Cells-derived Human Ameloblastin;AMBN protein Val27-Pro447, with an C-terminal His
Calculated MW	46.4 kDa
Observed MW	60-80 kDa
Accession	AAI06932.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl,pH7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Ameloblastin (AMBN) is a member of the Ameloblastin family. AMBN is a secreted protein and is specially expressed in ameloblast, localizing to the Tomes processes of secretory ameloblasts and in the sheath space between rod-interrod enamel Mutations of this protein may be associated with dentinogenesis imperfect and autosomal dominant amylogenesis imperfect. Ameloblastin may play an important role in the formation and mineralization of the enamel matri x. Biochemically, it is classified as an intrinsically disordered protein (IDP). Its biological role remains largely unknown.

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