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## Product Data Sheet

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Product Name: AMTN Human  
 Cat. No.: GP22712  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	UNQ689; Amelotin; PRO1329.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSLPQLKPA LGLPPTKLAP DQGTLPNQQQ SNQVFPSSL IPLTQMLTLG PDLHLLNPAA GMTPGTQTHP LTLGGLNVQQ QLHPHVLPIF VTQLGAQGTI LSSEELPQIF TSLIIHSLFP GGILPTSQAG ANPDVQDGS L PAGGAGVNPA TQGTPAGRLP TPGTDDDFV VTPAGIQRS THAIEEATTE SANGIQ.		
Formulation	AMTN protein solution (0.5mg/ml) contains mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 2mM DTT.		

### Introduction

AMTN is a member of the amelotin family. AMTN is a lately discovered secreted enamel protein. AMTN mainly expressed during the maturation stage of enamel formation. AMTN gathers in a basal lamina-like structure at the interface between ameloblasts and enamel mineral and it co-localizes with one more lately described enamel protein, odontogenic ameloblast- related protein (ODAM).

### Stability

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.

### Background

AMTN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 216 amino acids (17-209 a.a.) and having a molecular mass of 22.2kDa. AMTN is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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