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AMTN Human

Description: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.

Catalog #:PRPS-1308

For research use only.

Synonyms:UNQ689, Amelotin, PRO1329.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSLPQLKPA LGLPPTKLAP DQGTLPNQQQ SNQVFPSLSL IPLTQMLTLG PDLHLLNPAA GMTPGTQTHP LTLGGLNVQQ QLHPHVLPIF VTQLGAQGTI LSSEELPQIF TSLIIHSLFP GGILPTSQAG ANPDVQDGSL PAGGAGVNPA TQGTPAGRLP TPSGTDDDFA VTTPAGIQRS THAIEEATTE SANGIQ.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
AMTN protein solution (0.5mg/ml) contains mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 2mM DTT.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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(.

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