
Product Data Sheet

Product Name: AMN Human
 Cat. No.: GP22711
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein amnionless; AMN; PRO1028; amnionless.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSVSKLWVP NTDFDVAANW SQNRTPCAGG AVEFPADKMV SVLVQEGHAV SDMLLPLDGE LVLASGAGFG VSDVGSHLDC GAGEPAVFRD SDRFSWHDPH LWRSGDEAPG LFFVDAERVP CRHDDVFFPP SASFRVGLGP GASPVRVRSI SALGRTFTRD EDLAVFLASR AGRLRFHGPG ALSVGPEDCA DSPGCVCGNA EAQPWICAAL LQPLGGRCPCQ AACHSALRPQ GQCCDLCGAV VLLTHGPAFD LERYRARILD TFLGLPQYHG LQVAVSKVPR SSRLREADTE IQVVLVNGP ETGGAGRLAR ALLADVAENG EALGVLEATM RESGAHVWGS S.		
Formulation	AMN protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Amnion Associated Transmembrane Protein (AMN) is a type I transmembrane protein. The AMN protein is essential for efficient absorption of vitamin B12. AMN is assumed to modulate bone morphogenetic protein (BMP) receptor function by acting as an accessory or coreceptor thus facilitating or hindering BMP binding. A complex of AMN and cubilin forms the cubam receptor.

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

AMN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 361 amino acids (20-357 a.a) and having a molecular mass of 38.2kDa.AMN is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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