

Product information



AMN, 20-357aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1866

Full name: protein amnionless

NCBI Accession No.: NP_112205

Synonyms: PRO1028

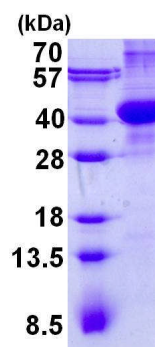
Description: AMN, also known as amnionless, is a type I transmembrane protein. A complex of amnionless and cubilin forms the cubam receptor. This protein is necessary for efficient absorption of vitamin B12. It is thought to modulate bone morphogenetic protein (BMP) receptor function by serving as an accessory or coreceptor, and thus facilitates or hinders BMP binding. Recombinant human AMN protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl,
10% glycerol, 1mM DTT

Molecular Weight: 38.2 kDa (361aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSVSKLWVP NTFDVAANW SQNRTPCAGG AVEFPADKMV SVLVQEGHAV SDMLLPLDGE LVLASGAGFG
VSDVGSGLDC GAGEPAVFRD SDRFSWHDPH LWRSGDEAPG LFFVDAERP CRHDDVFFPP SASFRVGLGP GASPVRVRSI SALGRTFTRD
EDLAVFLASR AGRLRFHGPG ALSVGPEDCA DPSGCVCGNA EAQPWICAAL LQPLGGRCQP AACHSALRPQ GQCCDLCGAV VLLTHGPAFD
LERYRARI LD TFLGLPQYHG LQVAVSKVPR SSRLREADTE IQVVLVENG ETGGAGRLAR ALLADVAENG EALGVLEATM RESGAHVWGS
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General references:

Fyfe J.C., *et al.* (2004) *Blood* 103:1573-1579

Tomihara-Newberger, C., *et al.* (1999) *Dev. Biol.* 204: 34-54.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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