# NKMAXBio We support you, we believe in your research

# **Recombinant human Amnionless protein**

Catalog Number: ATGP1866

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

20-357aa

#### UniProt No.

Q9BXJ7

#### **NCBI Accession No.**

NP 112205

#### **Alternative Names**

protein amnionless, PRO1028

# PRODUCT SPECIFICATION

### **Molecular Weight**

38.2 kDa (361aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

## **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.



# NKMAXBio We support you, we believe in your research

# **Recombinant human Amnionless protein**

Catalog Number: ATGP1866

# **Amino acid Sequence**

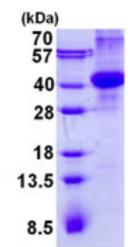
MGSSHHHHHH SSGLVPRGSH MGSVSKLWVP NTDFDVAANW SQNRTPCAGG AVEFPADKMV SVLVQEGHAV SDMLLPLDGE LVLASGAGFG VSDVGSHLDC GAGEPAVFRD SDRFSWHDPH LWRSGDEAPG LFFVDAERVP CRHDDVFFPP SASFRVGLGP GASPVRVRSI SALGRTFTRD EDLAVFLASR AGRLRFHGPG ALSVGPEDCA DPSGCVCGNA EAQPWICAAL LQPLGGRCPQ AACHSALRPQ GQCCDLCGAV VLLTHGPAFD LERYRARILD TFLGLPQYHG LQVAVSKVPR SSRLREADTE IQVVLVENGP ETGGAGRLAR ALLADVAENG EALGVLEATM RESGAHVWGS S

#### **General References**

Fyfe J.C., et al. (2004) Blood 103:1573-1579 Tomihara-Newberger, C., et al. (1999) Dev. Biol. 204: 34-54.

### **DATA**

# **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

