

Recombinant Human AMN, His-tagged

Cat. No. AMN-7084H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human AMN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques
Species	Human
Source	E.coli
ProteinLength	20-357aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	38.2 kDa (361aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSVSKLWVP NTDFDVAANW SQNRTPCAGG AVEFPADKMV SVLVQEGHAV SDMLLPLDGE LVLASGAGFG VSDVGSHLDC GAGEPAVFRD SDRFSWHDPH LWRSGDEAPG LFFVDAERVP CRHDDVFFPP SASFRVGLGP GASPVRVRSI SALGRTFTRD EDLAVFLASR AGRLRFHGPG ALSVGPEDCA DPSGCVCGNA EAQPWICAAL LQPLGGRCPCQ AACHSALRPQ

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GQCCDLCGAV VLLTHGPAFD LERYRARILD TFLGLPQYHG LQVAVSKVPR
SSRLREADTE IQVVLVNGP ETGGAGRLAR ALLADVAENG EALGVLEATM
RESGAHVWGS S

Purity >90% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [AMN amnionless homolog \(mouse\) \[Homo sapiens \]](#)

Official Symbol AMN

Synonyms AMN; amnionless homolog (mouse); protein amnionless; visceral endoderm-specific type 1 transmembrane protein; PRO1028;

Gene ID [81693](#)

mRNA Refseq [NM_030943](#)

Protein Refseq [NP_112205](#)

MIM [605799](#)

UniProt ID [Q9BXJ7](#)

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**Chromosome
Location**

14q32.32

Pathway

HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;

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