

## Product datasheet for PH319248

### AMN (NM\_030943) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AMN MS Standard C13 and N15-labeled recombinant protein (NP_112205)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219248
Predicted MW:	45.6 kDa
Protein Sequence:	>RC219248 representing NM_030943 Red=Cloning site Green=Tags(s)  MGVLGRVLLWLQCALTQAVSKLWVPNTDFDVAANWSQNRTPCAGGAVEFPADKMVSVLVQEGHAVSDML LPLDGELVLASGAGFGVSDVGSHLDCGAGEPAVFRSDRFSWHDPHLWRSGDEAPGLFFVDAERVPCRHD DVFFPPSASFVGLGPGASPVVRVRSISALGRFTTRDEDLAVFLASRAGRLRFHGPALSVGPEDCADPSG CVCGNAEAQPWICAALLQPLGGRCQAACHFALRPQGQCCDLCGAVVLLTHGPAFDLERYRARILDTFLG LPQYHGLQVAVSKVPRSSRLREADTEIQVVLVENGPEPTEGGAGRLARALLADVAENGEALGVLEATMRESG AHVWGSSAAGLAGGVAADVLLALLVLLVAPLLRRAGRLRWRHEAAAPAGAPLGFNPVFDVTASEELP LPRRLSLVPKAAADSTSHSYFVNPLFAGAEAEA  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_112205</u>
RefSeq Size:	1896
RefSeq ORF:	1359
Synonyms:	amniotless; IGS2; PRO1028



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Locus ID: 81693

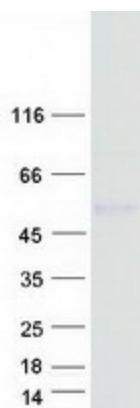
UniProt ID: [Q9BXJ7](#)

Cytogenetics: 14q32.32

**Summary:** The protein encoded by this gene is a type I transmembrane protein. 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. It is known that the mouse AMN gene is expressed in the extraembryonic visceral endoderm layer during gastrulation, but it is found to be mutated in amnionless mouse. The encoded protein has sequence similarity to short gastrulation (Sog) and procollagen IIA proteins in Drosophila. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified AMN protein (Cat# [TP319248]). The protein was produced from HEK293T cells transfected with AMN cDNA clone (Cat# [RC219248]) using MegaTran 2.0 (Cat# [TT210002]).