

Product datasheet for TP319248

AMN (NM_030943) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human amnionless homolog (mouse) (AMN), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC219248 representing NM_030943 Red =Cloning site Green =Tags(s) MGLVGRVLLWLQLCALTQAVSKLWVPNTDFDVAANWSQNRTPCAGGAVEFPADKMVSVLVQEGHAVSDML LPLDGELVLASGAGFGVSDVGSHLDCGAGEPAVFRSDRFSWHDPHLWRSRGDEAPGLFFVDAERVPCRHD DVFFPPSASFRVGLGPGASPVRVRSISALGRTFTRDEDLAVFLASRAGRRLRFHGPALSVPEDCADPSG CVCGNAEAQPWICALLQPLGGRCQAACHFALRPQGQCCDLCGAVLLTHGPAFDLERYRARILDFTLG LPQYHGLQVAVSKVPRSSRLREADTEIQVVLVENGPETGGAGRLARALLADVAENGEALGVLEATMRESG AHWVGSSAAGLAGGVAAVLLALLVLLVAPLLRRAGRLRWRHEAAAPAGAPLGFARNPVFDVTASEELP LPRRLSLVPKAAADSTSHSYFVNPLFAGAEAEA TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 45.6 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_112205</u> |



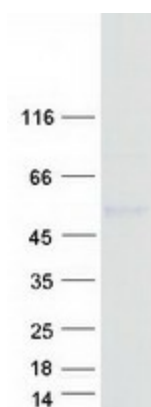
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Locus ID: 81693
UniProt ID: [Q9BXJ7](#)
RefSeq Size: 1896
Cytogenetics: 14q32.32
RefSeq ORF: 1359
Synonyms: amnionless; IGS2; PRO1028

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]).