

## Product datasheet for PH318226

### ATRNL1 (NM\_207303) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | ATRNL1 MS Standard C13 and N15-labeled recombinant protein (NP_997186) |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC218226   |
| Predicted MW:                         | 152.5 kDa  |
| Protein Sequence:                     | >RC218226 representing NM_207303<br>Red=Cloning site Green=Tags(s)     |

METGGRARTGTPQPAAPGVWRARPAGGGGGGASSWLLDGNWLLCYGFLYLALYAQVSQSKPCERTGSCF  
SGRCVNSTCLCDPGWVGQDQCQHCQGRFKLTEPSGYLTDGPIINYKYKTKCTWLIEGYPNAVLRFRNFHAT  
ECSWDHMYVYDGDSDIYAPLIAVLSGLIVPEIRGNETVPEVVTTSYALLHFFSDAAYNLTFGNIFYSINS  
CPNNSCGHGKCTTSVSVPSQVYCECDKYWKGEACDIPYCKANCGSPDHGYCDLTGEKLCVCNDSWQGPDC  
SLNVPSTESYWILPNVKPFSPSVGRASHKAVLHGKFMWVIGGYTFNYSSFQMLNLYNLESSIWNVGTSPSR  
GPLQRYGHSLALYQENIFMYGGRIETNDGNVTDDELWVFNHISQSWSTKTPTVLGHGQQYAVEGHSAHIME  
LDSRDVMMIIIFGYSAIYGYTSSIQEYHISNTWLVPETKGAIVQGGYGHTSVYDEITKSIYVHGGYKAL  
PGNKYGLVDDLKYEVNTKTWTILKESGFARYLHSAVLINGAMLIFGGNTHNDTSLNGAKCF SADFLAY  
DIACDEWKILPKPNLHRDVRNFGHSAVVINGSMYIFGGFSSVLLNDILVYKPPNCKAFRDEELCKNAGPG  
IKCVWNKNHCESWESGNTNNILRAKCPPKTAASDDRCYRYADCACTANTNGCQWCDDKCCI SANSNCSM  
SVKNYTKCHVRNEQICNKLTSCKSCSLNLCQWDQRQEQCALPAHLCEGEGWSHIGDACLRNVSSRENYD  
NAKLYCYNL SGNLASL TTSKEVEFVLDEIQKYTQKQVSPWVGLRKNISYWGWEDEMSPTNTTLQWL PGE  
PNDSGFCAYLERA AVAGL KANPCTSMANGLVCEKPVVSPNQARPCCKPCSLRTSCSNCT SNGMECMWCS  
STKRCVDSNAYIISFPYGCLEWQTATCSPQNC SGLRTCGQCLEQPGCGWCNDPSNTGRGHCI EGSSRGP  
MKLIGMHSEMVLDTNLCPEKKNYEWFSIQCPACQCNHSTCINNVC EQCKNL TTGKQCQDCMPGYG  
PTNGGQCTACTCSGHANICHLHTGKCFCTTKGIKGDQCQLCDSENRYVGNPLRGTCYYSLLIDYQFTFSL  
LQEDDRHHTAINFIANPEQSNKNDISINASNFNLNITWSVGSTAGTISGEETSIVSKNNIKEYRDSFS  
YEKFNFRSNPNITFYVYVSNFSWPIKIQIAFSQHNTIMDLVQFFVTFSCFLSLLLVAAVVWKIKQTCWA  
SRRREQLLRERQQMASRPFASVDVALEVGAEQTEFLRGPLEGAPKPIAIEPCAGNRAAVLTVFLCLPRGS  
SGAPPPGQSGLAIASALIDISQQKASDSKDKTSGVRNRKHLSTRQGTCV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

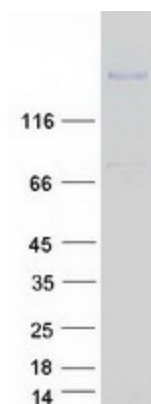
|                |   |
|----------------|---|
| Tag:           | C-Myc/DDK   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method          |



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|                          |  |
|--------------------------|--|
| <b>Labeling Method:</b>  | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine |
| <b>Buffer:</b>           | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| <b>Storage:</b>          | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| <b>Stability:</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| <b>RefSeq:</b>           | <a href="#">NP_997186</a>  |
| <b>RefSeq Size:</b>      | 6175   |
| <b>RefSeq ORF:</b>       | 4137   |
| <b>Synonyms:</b>         | ALP; bA338L11.1; bA454H24.1  |
| <b>Locus ID:</b>         | 26033  |
| <b>UniProt ID:</b>       | <a href="#">Q5VV63</a> , <a href="#">Q4G0Y2</a>  |
| <b>Cytogenetics:</b>     | 10q25.3  |
| <b>Summary:</b>          | May play a role in melanocortin signaling pathways that regulate energy homeostasis.<br>[UniProtKB/Swiss-Prot Function]  |
| <b>Protein Families:</b> | Druggable Genome, Transmembrane  |

### Product images:



Coomassie blue staining of purified ATRNL1 protein (Cat# [TP318226]). The protein was produced from HEK293T cells transfected with ATRNL1 cDNA clone (Cat# [RC218226]) using MegaTran 2.0 (Cat# [TT210002]).