

## Product datasheet for PH316911

### A1CF (NM\_138933) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | A1CF MS Standard C13 and N15-labeled recombinant protein (NP_620311)   |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC216911   |
| Predicted MW:                         | 64.8 kDa   |
| Protein Sequence:                     | >RC216911 representing NM_138933<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s) |

MEAVCLGTCPEPEASMSTAIPGLKKGNNALQSIIQLTLEKENGQRKYGGPPPGWDAAPPERGCEIFIGK  
 LPRDLFEDEL IPLCEKIGKIYEMRMMDFNGNNRGYAFVTF SNKVEAKNAIKQLNNYEIRNGRLLGVCAS  
 VDNCRFLVGGIPKTKKREEILSEMKKVTEGVVDVIVYPSAADKTKNRGFAFVEYESHRAAMARRKLLPG  
 RIQLWGHGIAVDWAEPEVEVDEDTMSSVKILYVRNMLSTSEEMIEKEFNINIKPGAVERVKKIRDYAFVH  
 FSNREDAVEAMKALNGKVL DGSPIEVTLAKPVDKDSYVRYTRGTGGRTMLQGEYTYSLGQVYDPTTTYL  
 GAPVFYAPQTYAAIPSLHFPATKGHL SNRAIIRAPSVRGAAGVRGLGGRGYLAYTGLGRGYQVKGDKRED  
 KLYDILPGMELTPMNPVTLKPQGIKLAPQILEEICQKNNWGQPVYQLHSAIGQDQRLFLYKITIPALAS  
 QNP AIHPFTPPKLSAFVDEAKTYAAEYTLQTLGIPTDGGDGTMAAAAAATAFPGYAVPNATAPVSAACL  
 KQAVTLGQDLAAYTTYEYPTFAVTARGDGYGTF

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- <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 |
| 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:          | <a href="#">NP_620311</a>  |
| RefSeq Size:     | 2223   |
| RefSeq ORF:      | 1782   |


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**Synonyms:** ACF; ACF64; ACF65; APOBEC1CF; ASP

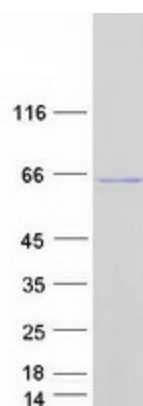
**Locus ID:** 29974

**UniProt ID:** [Q9NQ94](#), [A0A024QZI9](#)

**Cytogenetics:** 10q11.23

**Summary:** Mammalian apolipoprotein B mRNA undergoes site-specific C to U deamination, which is mediated by a multi-component enzyme complex containing a minimal core composed of APOBEC-1 and a complementation factor encoded by this gene. The gene product has three non-identical RNA recognition motifs and belongs to the hnRNP R family of RNA-binding proteins. It has been proposed that this complementation factor functions as an RNA-binding subunit and docks APOBEC-1 to deaminate the upstream cytidine. Studies suggest that the protein may also be involved in other RNA editing or RNA processing events. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

## Product images:



Coomassie blue staining of purified A1CF protein (Cat# [TP316911]). The protein was produced from HEK293T cells transfected with A1CF cDNA clone (Cat# [RC216911]) using MegaTran 2.0 (Cat# [TT210002]).