

## Product datasheet for TP316861

### A1CF (NM\_138932) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human APOBEC1 complementation factor (A1CF), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216861 protein sequence Red=Cloning site Green=Tags(s)

MESNHKSGDGLSGTQKEAALRALVQRTGYSLVQENGQRKYGGPPPGWDAAPPERGCEIFIGKLPDLFED  
ELIPLCEKIGKIYEMRMMDFNGNRRGYAFVTFSNKVEAKNAIKQLNNEYIRNGRLLGVCASVDNCRFLV  
GGIPKTKKREEILSEMKKVTEGVVDVIVYPSAADKTKNRGFVVEYESHRAAAMARRKLLPGRIQLWGHG  
IAVDWAEPEVEVDEDTMSSVKILYVRNLMLSTSEEMIEKEFNKIPGAVERVKKIRDYAFVHFSNREDAV  
EAMKALNGKVLGDGSPIEVTLAKPVDKDSYVRYTRGTGGRGTMQGEYTYSLGQVYDPTTTYLGAPVYFAP  
QTYAAIPSLHFPAKKGHLSNRAIRAPSVREIYMNPVGAAGVVRGLGGRGYLAYTGLGRGYQVKGDKRED  
KLYDILPGMELTPMNPVTLKPPQGIKLAQILEEICQKNNWGPVYQLHSAIGDQQRQLFLYKITIPALAS  
QNPAIHPFTPPKLSAFVDEAKTYAAEYTLQTLGIPTDGGDGMATAAAAATAFPGYAVPNATAPVSAAQL  
KQAVTLGQDLAAYTTYEVYPTFAVTARGDGYGTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

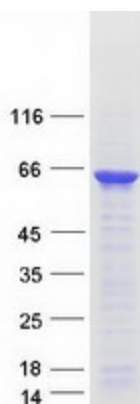
Tag:	C-Myc/DDK
Predicted MW:	65 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_620310</u>
<b>Locus ID:</b>	29974
<b>UniProt ID:</b>	<u>Q9NQ94, A0A024QZM7</u>
<b>RefSeq Size:</b>	9293
<b>Cytogenetics:</b>	10q11.23
<b>RefSeq ORF:</b>	1782
<b>Synonyms:</b>	ACF; ACF64; ACF65; APOBEC1CF; ASP
<b>Summary:</b>	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# TP316861). The protein was produced from HEK293T cells transfected with A1CF cDNA clone (Cat# [RC216861]) using MegaTran 2.0 (Cat# [TT210002]).