

Recombinant Human A1CF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. A1CF-1197H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A1CF MS Standard C13 and N15-labeled recombinant protein (NP_620310) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	65.2 kDa
AA Sequence	MESNHKSGDGLSGTQKEAALRALVQRTGYSLVQENGQRKYGGPPPGWDAAPPER GCEIFIGKLPRDLFEDELIPLCEKIGKIYEMRMMMDFNNGNRRGYAFVTFSNKVEAKNA IKQLNNYEIRNGRLLGVCSVDNCRFLVGGIPKTKKREEILSEMKKVTEGVVDVIVYP SAADKTKNRGFVVEYESHRAAAMARRKLLPGRIQLWGHGIAVDWAEPEVEVDEDT

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MSSVKILYVRNLMLSTSEEMIEKEFNNIKPGAVERVKKIRDYAFVHFSNREDAVEAMK
 ALNGKVLGDGSPIEVTLAKPVDKDSYVRYTRGTGGRGTMLQGEYTYSLGQVYDPTTT
 YLGAPVFYAPQTYAAIPSLHFPATKGHLSNRAIRAPSVREIYMNVPVGAAGVRGLGG
 RGYLAYTGLGRGYQVKGDKREDKLYDILPGMELTPMNPVTLKPQGIKLAPQILEEIC
 QKNNWGQPVYQLHSAIGQDQRQLFLYKITIPALASQNPAIHPFTPPKLSAFVDEAKTY
 AAETLQTLGIPTDGGDGTMTAAAAATAFPGYAVPNATAPVSAAQLKQAVTLGQD
 LAAYTTYEVYPTFAVTARGDGYGTFTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [A1CF APOBEC1 complementation factor \[Homo sapiens \(human\) \]](#)

Official Symbol [A1CF](#)

Synonyms A1CF; APOBEC1 complementation factor; ACF; ACF64; ACF65; APOBEC1CF; ASP; apo-B RNA editing protein; APOBEC-1 stimulating protein; apobec-1 complementation factor (ACF) (ASP); RP11-564C4.2; MGC163391;

Gene ID [29974](#)

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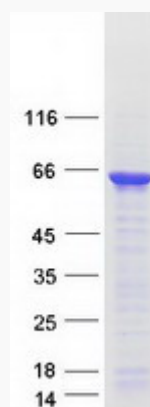
mRNA Refseq [NM_138932](#)

Protein Refseq [NP_620310](#)

MIM [618199](#)

UniProt ID [Q9NQ94](#)

SDS-PAGE



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