

Product datasheet for TP524176

A1cf (NM_001081074) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse APOBEC1 complementation factor (A1cf), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224176 representing NM_001081074 Red=Cloning site Green=Tags(s)

MESNHKSGDGLSGTQKEAALRALVQRTGYSLVQENGQRKYGGPPPQWDSTPPERGCEIFIGKLPRLDFED
ELIPLCEKIGKIYEMRLMDFNGNNGYAFVTFSNKQEAKNAIKQLNNEYIERTGRLLGVCASVDNCRFLV
GGIPKTKKREEILSEMKKVTEGVVDVIVYPSAADKTKNRGFVVEYESHRAAAMARRRLLPGRIQLWGHP
IAVDWAEPEVEVDEDTMSSVKILYVRNLMMLSTSEEMIEKEFNSIKPGAVERVKKIRDYAFVHFSNREDAV
EAMKALNGKVLGDGSPIEVTLAKPVDKDSVRYTRGTGGRNTMLQGEYTYPLSHVYDPTTTYLGAPVFYTP
QAYAAIPSLHFAPATKGHLSNRALIRTPSVREIYMNVPVGAAGVRGLGGRGYLAYTGLGRGYHVKGDKRED
KLYDLLPGMELTPMNTVSLKPQGIKLAQILEEICQKNNWGQPVYQLHSAIGQDQRQLFLYKVTIPALAS
QNPAIHPFIPPKLSAYVDEAKRYAAEHTLQTLGIPTEGGDAGTTAPTATSATVFPGYAVPSATAPVSTAQ
LKQAVTLGQDLAAYTTYEVYPTFALTTRGDAYGTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	65.7 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	<u>NP_001074543</u>
Locus ID:	69865
UniProt ID:	<u>Q5YD48</u>
RefSeq Size:	3828
Cytogenetics:	19 C1
RefSeq ORF:	1785
Synonyms:	1810073H04Rik; Acf; ACF64; ACF65; ASP; MCM; mer; MerCreMer; Tg(Myh6-cre/Esr1*)1Jmk
Summary:	Essential component of the apolipoprotein B mRNA editing enzyme complex which is responsible for the postranscriptional editing of a CAA codon for Gln to a UAA codon for stop in APOB mRNA. Binds to APOB mRNA and is probably responsible for docking the catalytic subunit, APOBEC1, to the mRNA to allow it to deaminate its target cytosine. The complex also seems to protect the edited APOB mRNA from nonsense-mediated decay (By similarity). [UniProtKB/Swiss-Prot Function]