

Recombinant Mouse A1cf Protein, His-tagged

Cat. No. A1cf-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse A1cf Protein (Gly389-Arg588) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly389-Arg588
Description	Predicted to enable mRNA binding activity and single-stranded RNA binding activity. Acts upstream of or within RNA modification; embryo implantation; and mRNA localization resulting in posttranscriptional regulation of gene expression. Located in cytoplasm and nucleus. Is expressed in several structures, including alimentary system; brain; gonad; olfactory epithelium; and trigeminal ganglion. Human ortholog(s) of this gene implicated in gout. Orthologous to human A1CF (APOBEC1 complementation factor).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.1 kDa Accurate Molecular Mass: 27 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	A1cf APOBEC1 complementation factor [<i>Mus musculus</i> (house mouse)]
Official Symbol	A1cf
Synonyms	A1CF; APOBEC1 complementation factor; APOBEC1-stimulating protein; APOBEC-1 stimulating protein; apobec-1 complementation factor; ASP; Acf; ACF64; ACF65; 1810073H04Rik
Gene ID	69865
mRNA Refseq	NM_001081074
Protein Refseq	NP_001074543
UniProt ID	Q5YD48

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