

Recombinant Human Probable DNA dC->dU-editing enzyme APOBEC-3A(APOBEC3A)

Catalog No: #AP73798



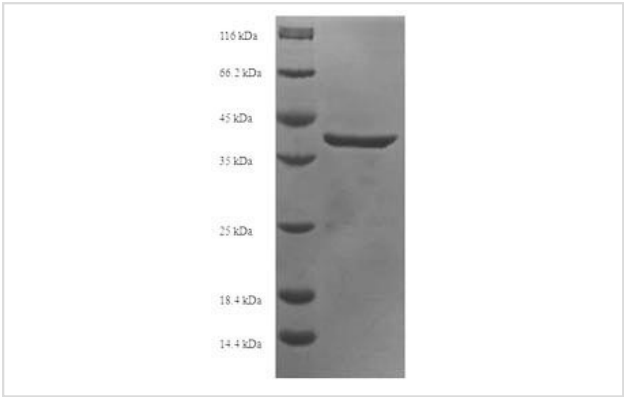
Package Size: #AP73798-1 20ug #AP73798-2 100ug #AP73798-3 1mg

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Description

Product Name	Recombinant Human Probable DNA dC->dU-editing enzyme APOBEC-3A(APOBEC3A)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-199aaSequence Info:Full Length
Other Names	Phorbolin-1
Accession No.	P31941
Uniprot	P31941
GeneID	100913187;200315;
Calculated MW	39 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MEASPASGPRHLMDPHIFTSNFNNGIGRHKTYLCYEVERLDNGTSVKMDQHRGFLHNQAKNLLCGFYGRHAE LRFLDLVPSLQLDPAQIYRVTFWISWSPCFSWGCAGEVRAFLQENTHVRLRIFAARIYDYDPLYKEALQMLRDA GAQVSIMTYDEFKHCWDTFVDHQGCPFQPWDGLDEHSQALSGRLRAILQNQGN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

DNA deaminase (cytidine deaminase) with restriction activity against viruses, foreign DNA and mobility of retrotransposons. Exhibits antiviral activity against adeno-associated virus (AAV) and human T-cell leukemia virus type 1 (HTLV-1) and may inhibit the mobility of LTR and non-LTR

retrotransposons. Selectively targets single-stranded DNA and can deaminate both methylcytosine and cytosine in foreign DNA. Can induce somatic hypermutation in the nuclear and mitochondrial DNA. May also play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation.

References

"Psoriasis upregulated phorbolin-1 shares structural but not functional similarity to the mRNA-editing protein apobec-1."Madsen P.P., Anant S., Rasmussen H.H., Gromov P., Vorum H., Dumanski J.P., Tommerup N., Collins J.E., Wright C.L., Dunham I., Macginnitie A.J., Davidson N.O., Celis J.E.J. Invest. Dermatol. 113:162-169(1999)
Research Topic:Signal Transduction

Note: This product is for in vitro research use only