



Recombinant Human APOBEC3G Protein Product Manual

1. Product Basic Information

Product No.: REP06156

Protein Name: Bk150C2.Dj494G10.Deoxycytidine Deaminase (APOBEC3G)

Aliases: A3G; ARCD; ARP9; ARP-CEM15; CEM-15; MDS019; bK150C2.dJ494G10.deoxycytidine deaminase; APOBEC-related protein DNA dC->dU editing enzyme; phorbolin-like protein MDS019; APOBEC-related cytidine deaminase...

UniProt ID: Q9HC16

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9HC16/entry>

Species Source: Homo sapiens (Human)

Expression System: in vitro E.coli expression system

Protein Length: Full Length (1-384aa)

Molecular Weight: 62.4 kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-384aa)

MKPHFRNTVERMYRDTFSYNFYNRPILSRRNTVWLCYEVKTKGPSRPPLDAKIFRG
QVYSELKYHPEMRFFHWFSKWRKLHRDQEYEV TWYISWSPCTKCTRDMATFLAE
DPKVTLTIFVARLYYFWDPDYQEALRSLCQKRDGPRATMKIMNYDEFQHCWSKFV
YSQRELFEPWNNLPKYYILLHIMLGEILRHSM DPPTFTFNFNNEPWVRGRHETLYCY
EVERMHNDTWVLLNQRRGFLCNQAPHKHGFLEGRHAELCFLDVIPFWKLDLDQDY
RVTCTSWSPCFSCAQEMAKFISKNKHVSLCIFTARIYDDQGRCQEGLRTLAEAGA
KISIMTYSEFKHCWDTFVDHQGCPFQPWDGLDEHSQDLSGRLRAILQNQEN

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human APOBEC3G full length protein (1-384aa) expressed in in vitro E.coli expression system. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. APOBEC3G, also known as A3G or ARCD or ARP9, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.