

# Recombinant Human APOBEC2 protein, GST-tagged

**Cat. No.** APOBEC2-9752H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human APOBEC2 protein(1-224 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-224 aa                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | MAQKEEAAVATEAASQNGEDLENLDDPEKCLKELIELPPFEIVTGERLPANFFKFQFR<br>NVEYSSGRNKTFLCYVVEAQGKGGQVQASRGYLEDEHAAAHAEAAFFNTILPAFDP<br>ALRYNVTWYVSSSPCAACADRIIKTLSKTKNLRLLILVGRLFMWEEPEIQAALKKLKEA<br>GCKLRIMKPQDFEYVWQNFVEQEESKAFQPWEDIQENFLYYEEKLADILK                                                                                                                                                  |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                        |

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**Reconstitution** Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

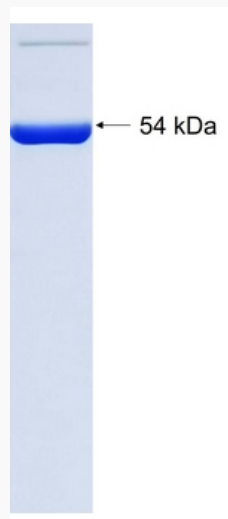
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | APOBEC2 apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2 [ Homo sapiens ]                                                                                                                                             |
| <b>Official Symbol</b> | APOBEC2                                                                                                                                                                                                                                 |
| <b>Synonyms</b>        | APOBEC2; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2; probable C->U-editing enzyme APOBEC-2; ARCD1; ARP1; probable C-> U-editing enzyme APOBEC-2; apolipoprotein B mRNA editing enzyme, catalytic polypeptide 2; |
| <b>Gene ID</b>         | 10930                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_006789                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_006780                                                                                                                                                                                                                               |
| <b>MIM</b>             | 604797                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | Q9Y235                                                                                                                                                                                                                                  |

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**SDS-PAGE**

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