

## Recombinant Human APOBEC4 protein, GST-tagged

**Cat. No.** APOBEC4-703H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Human APOBEC4 full-length ORF ( NP_982279.1, 1 a.a. - 367 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | This gene encodes a member of the AID/APOBEC family of polynucleotide (deoxy)cytidine deaminases, which convert cytidine to uridine. Other AID/APOBEC family members are involved in mRNA editing, somatic hypermutation and recombination of immunoglobulin genes, and innate immunity to retroviral infection. [provided by RefSeq, Jul 2008]                                                      |
| <b>Molecular Mass</b>   | 68 kDa                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MEPIYEEYLANHGTIVKPYWLSFSLDCSNCPYHIRTGEEARVSLTEFCQIFGFPYGT<br>TFPQTKHLTFYELKTSSGSLVQKGHASSCTGNYIHPESMLFEMNGYLDSAIYNNDISI<br>RHIIYSNNSPCNEANHCCISKMYNFLITYPGITLSIYFSQLYHTEMDFPASAWNREAL<br>RSLASLWPRVVLSPISGGIWHSVLHSFISGVSGSHVFQPILTGRALADRHNAYEINAIT<br>GVKPYFTDVLLQTKRNPNTKAQEALSYPLNNAFPGQFFQMPSGQLQPNLPPDLRA<br>PVVFLVPLRDLPPMHMGQNPKNPRNIVRHLNMPQMSFQETKDLGRLPTGRSVEIV<br>EITEQFASSKEADEKKKKKGKK |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);<br>Antibody Production; Protein Array                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | APOBEC4 apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative) [ Homo sapiens ]                                                                                                                                                                                                                              |
| <b>Official Symbol</b>  | APOBEC4                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>         | APOBEC4; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative); C1orf169, chromosome 1 open reading frame 169; putative C->U-editing enzyme APOBEC-4; FLJ25691; MGC26594; RP1 127C7.4; putative C-> U-editing enzyme APOBEC-4; apolipoprotein B mRNA-editing enzyme catalytic polypeptide-like 4; C1orf169; |
| <b>Gene ID</b>          | 403314                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_203454                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_982279                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 609908                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | Q8WW27                                                                                                                                                                                                                                                                                                                              |

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