

## Recombinant Human MAFB protein, His-tagged

**Cat. No.** MAFB-01H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MAFB protein(NP_005452.2), fused to His-tag, was expressed in E. coli.                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The protein encoded by this gene is a basic leucine zipper (bZIP) transcription factor that plays an important role in the regulation of lineage-specific hematopoiesis. The encoded nuclear protein represses ETS1-mediated transcription of erythroid-specific genes in myeloid cells. This gene contains no introns.                                              |
| <b>Form</b>             | 50 mM Tris-HCl (pH 8.0), 300 mM NaCl                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 36.8 kDa.                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAAELSMGPELPTSPLAMEYVNDFDLLKFDVKKEPLGRAERPGRPCTRLQPAGSVS<br>STPLSTPCSSVPSSPSFSPTTEQKTHLEDLYWMASNYQQMNPEALNLTPEDAVEALI<br>GSHPVPQPLQSFDSFRGAHHHHHHHHHPHPPHAYPGAGVAHDELGPHAHPHHHHHH<br>HQASPPPPSSAASPAQQLPTSHPGPGPHATASATAAGGNGSVEDRFSDDDLVSMSV<br>RELNRHLRGFTKDEVIRLKQKRRTLKNRGYAQSCRYKRVQQKHLENEKTQLIQQV<br>EQLKQEVSRRLARERDAYKVKCEKLANSGFREAGSTSDSPSSPEFFLLEHHHHHHH |
| <b>Purity</b>           | > 95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                    |

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**Storage**

Store it under sterile conditions at -20 to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Concentration**

0.28 mg/ml

**GENE INFORMATION**
**Gene Name**

MAFB MAF bZIP transcription factor B [ Homo sapiens (human) ]

**Official Symbol**

MAFB

**Synonyms**

KRML; MCTO; DURS3

**Gene ID**

9935

**mRNA Refseq**

NM\_005461.5

**Protein Refseq**

NP\_005452.2

**MIM**

608968

**UniProt ID**

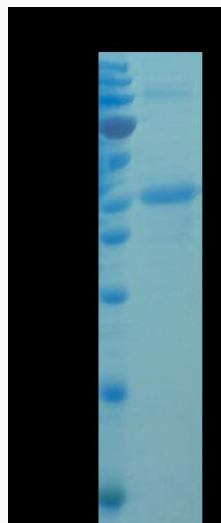
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**SDS-PAGE of MAFB-01H**



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