

## Recombinant Human Meis homeobox 3, His-tagged

**Cat. No.** MEIS3-651H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MEIS3, 1-358aa Human, His tag, E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-358 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | MEIS3 belongs to the TALE/MEIS homeobox family and contains 1 homeobox DNA-binding domain. Recombinant human MEIS3 protein, fused to His-tag at N-terminus, was expressed in E.coli .                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 41.4 kDa (381 aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | <p>MGSSHHHHHH SSGLVPRGSH MGSMARRYDE LPHYPGIVDG PAALASFPET</p> <p>VPAVPGPYGP HRPPQPLPPG LDSDGLKREK DEIYGHPLFP LLALVFEKCE</p> <p>LATCSPRDGA GAGLGTPPGG DVCSSDSFNE DIAAFKQVR SERPLFSSNP</p> <p>ELDNLMIQAI QVLRFHLEL EKGKMPIDLV IEDRDGGCRE DFEDYPASCP</p> <p>SLPDQNNMWI RDHEDSGSVH LGTPGPSSGG LASQSGDNSS DQGDGLDTSV</p> <p>ASPSSGGEDE DLDQERRRNK KRGIFPKVAT NIMRAWLFQH LSHYPYSEEQ</p> <p>KKQLAQDTGL TILQVNNWFI NARRRIVQPM IDQSNRTGQG AAFSPEGQPI</p> <p>GGYTETQPHV AVRPPGSVGM SLNLEGEWHY L</p> |

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|                      |                                                                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | >85 % by SDS - PAGE                                                                                                                                |
| <b>Storage</b>       | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles. |
| <b>Concentration</b> | 1 mg/ml (determined by Bradford assay)                                                                                                             |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | MEIS3 Meis homeobox 3 [ Homo sapiens ]                                                                                                                                                                                         |
| <b>Official Symbol</b>     | MEIS3                                                                                                                                                                                                                          |
| <b>Synonyms</b>            | MEIS3; Meis homeobox 3; Meis1, myeloid ecotropic viral integration site 1 homolog 3 (mouse); homeobox protein Meis3; DKFZp547H236; MRG2; meis1-related protein 2; Meis1, myeloid ecotropic viral integration site 1 homolog 3; |
| <b>Gene ID</b>             | 56917                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_001009813                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_001009813                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | Q99687                                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 19q13.32                                                                                                                                                                                                                       |
| <b>Function</b>            | sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;                                                                                                                                    |

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