

Recombinant Human MEIS1

Cat. No. MEIS1-29559TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 1-90 of Human MEIS1 with a proprietary tag; Predicted MWt 35.53 kDa including tag.
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
Description	Homeobox genes, of which the most well-characterized category is represented by the HOX genes, play a crucial role in normal development. In addition, several homeoproteins are involved in neoplasia. This gene encodes a homeobox protein belonging to the TALE (three amino acid loop extension) family of homeodomain-containing proteins.
Molecular Weight	35.530kDa inclusive of tags
Tissue specificity	Expressed at low level in normal immunohepatopoietic tissues, including the fetal liver. Expressed in a subset of myeloid leukemia cell lines, with the highest expression seen in those with a megakaryocytic-erythroid phenotype. Also expressed at high leve
Form	Liquid
Purity	Proprietary Purification

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAQRYDDLPHYGGMDGVGIPSTMYGDPHAARSMQPVHHLNHGPPLHSHQYPHTA HTNAMAPSMGSSVNDALKRDKDAIYGHPLFPLLALI
Sequence Similarities	Belongs to the TALE/MEIS homeobox family.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	MEIS1 Meis homeobox 1 [Homo sapiens]
Official Symbol	MEIS1
Synonyms	MEIS1; Meis homeobox 1; Meis1 (mouse) homolog , Meis1, myeloid ecotropic viral integration site 1 homolog (mouse); homeobox protein Meis1;
Gene ID	4211
mRNA Refseq	NM_002398
Protein Refseq	NP_002389
MIM	601739
Uniprot ID	O00470
Chromosome Location	2p14

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Pathway	Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;
Function	protein binding; protein heterodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity;

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