

## Recombinant Human MAFA

**Cat. No.** MAFA-28859TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human MAFA (amino acids 222-308) with proprietary tag, predicted MW 35.20 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	87 amino acids
<b>Description</b>	MAFA is a transcription factor that binds RIPE3b, a conserved enhancer element that regulates pancreatic beta cell-specific expression of the insulin gene (INS; MIM 176730) (Olbrot et al.
<b>Molecular Weight</b>	35.200kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino</b>	LEERFSDDQLVSMSVRELNRLRGFSKEEVIRLQKQRRTLKNRGYAQSRFKRVQQR

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**acids** HILESEKCQLQSQVEQLKLEVGR LAKERDL

**Sequence Similarities** Belongs to the bZIP family. Maf subfamily. Contains 1 bZIP domain.

## GENE INFORMATION

**Gene Name** MAFA v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian) [ Homo sapiens ]

**Official Symbol** MAFA

**Synonyms** MAFA; v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian); transcription factor MafA; hMafA; RIPE3b1;

**Gene ID** 389692

**mRNA Refseq** NM\_201589

**Protein Refseq** NP\_963883

**MIM** 610303

**Uniprot ID** Q8NHW3

**Chromosome Location** 8q24.3

**Pathway** Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem;

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**Function**

DNA binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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