

Recombinant Human MAFA

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

SPECIFICATION

Product Overview	Recombinant fragment of Human MAFA (amino acids 222-308) with proprietary tag, predicted MW 35.20 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	87 amino acids
Description	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) (Olbro et al.
Molecular Weight	35.200kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
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	LEERFSDDQLVSM SVRELNRQLRGFSKEEVIRLKQKRRTLKNRGYAQSRFKRVQQR

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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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