



Human MAFA peptide (DAG-P0797)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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., 2002 [PubMed 12011435]).[supplied by OMIM, Mar 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the bZIP family. Maf subfamily. Contains 1 bZIP domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MAFA v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A [Homo sapiens (human)]
Official Symbol	MAFA
Synonyms	MAFA; v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog A; hMafA; RIPE3b1; transcription factor MafA; transcription factor RIPE3b1; pancreatic beta-cell-specific transcriptional activator;
Entrez Gene ID	389692
mRNA Refseq	NM_201589.3
Protein Refseq	NP_963883.2

UniProt ID	Q8NHW3
Chromosome Location	8q24.3
Pathway	Developmental Biology, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in beta cells, organism-specific biosystem; Type II diabetes mellitus, organism-specific biosystem; Type II diabetes mellitus, organism-specific biosystem; Type II diabetes mellitus, conserved biosystem;
Function	DNA binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;