

Recombinant Human MAF

Cat. No. MAF-26878TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human c-Maf with N terminal proprietary tag; predicted MWt: 36.63 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	The protein encoded by this gene is a DNA-binding, leucine zipper-containing transcription factor that acts as a homodimer or as a heterodimer. Depending on the binding site and binding partner, the encoded protein can be a transcriptional activator or repressor. This protein plays a role in the regulation of several cellular processes, including embryonic lens fiber cell development, increased T-cell susceptibility to apoptosis, and chondrocyte terminal differentiation. Defects in this gene are a cause of juvenile-onset pulverulent cataract as well as congenital cerulean cataract 4 (CCA4). Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed in endothelial cells.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SCRFKRVQQRHVLESEKNQLLQQVDHLKQEISRLVRERDAYKEKYEKLVSSGFREN GSSSDNPSSPEFFITEPTRKLEPSVGYATFWKPQHRVLTSVFTK
Sequence Similarities	Belongs to the bZIP family. Maf subfamily.Contains 1 bZIP domain.

GENE INFORMATION

Gene Name	MAF v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian) [Homo sapiens]
Official Symbol	MAF
Synonyms	MAF; v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian); v maf musculoaponeurotic fibrosarcoma (avian) oncogene homolog; transcription factor Maf; c MAF;
Gene ID	4094
mRNA Refseq	NM_001031804
Protein Refseq	NP_001026974
MIM	177075

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Uniprot ID	O75444
Chromosome Location	16q22-q23
Pathway	C-MYB transcription factor network, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Keap1-Nrf2 Pathway, organism-specific biosystem; Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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