

# Recombinant Human MAFF Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MAFF-4479H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MAFF MS Standard C13 and N15-labeled recombinant protein (NP_036455) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | The protein encoded by this gene is a basic leucine zipper (bZIP) transcription factor that lacks a transactivation domain. It is known to bind the US-2 DNA element in the promoter of the oxytocin receptor (OTR) gene and most likely heterodimerizes with other leucine zipper-containing proteins to enhance expression of the OTR gene during term pregnancy. The encoded protein can also form homodimers, and since it lacks a transactivation domain, the homodimer may act as a repressor of transcription. This gene may also be involved in the cellular stress response. Multiple transcript variants encoding two different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 17.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MSVDPLSSKALKIKRESENTPHLSDEALMGLSVRELNRHLRGLSAEEVTRLKQRRR<br>TLKNRGYAASCRVKRVCQKEELQKQKSELEREVDKLARENAAMRLELDALRGKCEA<br>LQGFARSVAAARGPATLVAPASVITIVKSTPGSGSGPAHGPDPAHGPASCSTRTRPL<br>EQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

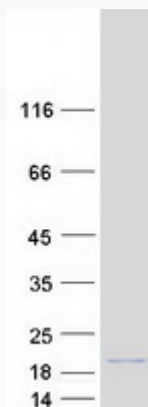
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MAFF MAF bZIP transcription factor F [ Homo sapiens (human) ]                                                                                                                                                                                                     |
| <b>Official Symbol</b> | MAFF                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | MAFF; v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian); v maf musculoaponeurotic fibrosarcoma (avian) oncogene family, protein F; transcription factor MafF; hMafF; v-maf avian musculoaponeurotic fibrosarcoma oncogene family protein F; U-MAF; |
| <b>Gene ID</b>         | 23764                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_012323                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_036455                                                                                                                                                                                                                                                         |
| <b>MIM</b>             | 604877                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | Q9ULX9                                                                                                                                                                                                                                                            |

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**SDS-PAGE**

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