

Product datasheet for AR50755PU-S

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OriGene Technologies, Inc.

MAFK (1-156, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: MAFK (1-156, His-tag) human recombinant protein, 0.1 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MTTNPKPNKA LKVKKEAGEN APVLSDDELV SMSVRELNQH or AA Sequence: LRGLTKEEVT RLKQRRRTLK NRGYAASCRI KRVTQKEELE RQRVELQQEV EKLARENSSM

RLELDALRSK YEALQTFART VARGPVAPSK VATTSVITIV KSTELSSTSV PFSAAS

Tag: His-tag Predicted MW: 19.7 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human MAFK protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 002351

Locus ID: 7975

UniProt ID: O60675, A0A024R804

Cytogenetics: 7p22.3

Synonyms: NFE2U; P18





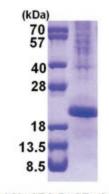
Summary:

The developmentally regulated expression of the globin genes depends on upstream regulatory elements termed locus control regions (LCRs). LCRs are associated with powerful enhancer activity that is mediated by the transcription factor NFE2 (nuclear factor erythroid-2). NFE2 recognition sites are also present in the gene promoters of 2 heme biosynthetic enzymes, porphobilinogen deaminase (PBGD; MIM 609806) and ferrochelatase (FECH; MIM 612386). NFE2 DNA-binding activity consists of a heterodimer containing an 18-kD Maf protein (MafF, MafG (MIM 602020), or MafK) and p45 (MIM 601490). Both subunits are members of the activator protein-1 superfamily of basic leucine zipper (bZIP) proteins (see MIM 165160). Maf homodimers suppress transcription at NFE2 sites.[supplied by OMIM, Nov 2008]

Protein Families:

Druggable Genome, Transcription Factors

Product images:



15% SDS-PAGE (3ug)