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Product datasheet for AR50755PU-N

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

Product data:

Product Type:	Recombinant Proteins
Description:	MAFK (1-156, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MTTNPKPNKA LKVKKEAGEN APVLSDDELV SMSVRELNQH 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

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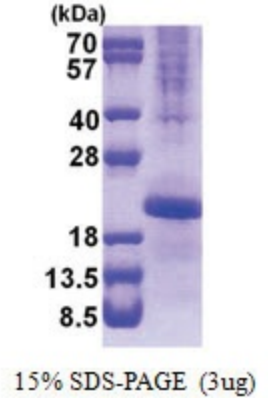
Summary: The developmentally regulated expression of the globin genes depends on upstream regulatory elements termed locus control regions (LCRs). LCRs are associated with powerful enhancer activity that is mediated by the transcription factor NFE2 (nuclear factor erythroid-2). NFE2 recognition sites 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)