

Recombinant Mouse TFAP2A Protein (1-437 aa), His-Myc-tagged

Cat. No. TFAP2A-2591M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TFAP2A Protein (1-437 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-437 aa
Description	Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2-alpha is the only AP-2 protein required for early morphogenesis of the lens vesicle. Together with the CITED2 coactivator, stimulates the PITX2 P1 promoter transcription activation. Associates with chromatin to the PITX2 P1 promoter region.
Form	Tris-based buffer,50% glycerol
Molecular Mass	55.0 kDa

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AA Sequence	MLWKLTDNIKYEDCEDRHDGTSNGTARLPQLGTVGQSPYTSAPPLSHTPNADFQPP YFPPPYQPIYPQSQDPYSHVNDPYSNLNPLHAQPQPQHPGWPGQRQSQESGLLHTH RGLPHQLSGLDPRRDYRRHEDLLHGPHALGSGLDLPIHSLPHAIEDVPHVEDPGIN IPDQTVIKKGPVSLSKSNSNAVSAIPINKDNLFGGVVNPNEVFCSVPGRLSLLSSTSK YKVTVAEVQRRSLSPPECLNASLLGGVLRRAKSKNGGRSLREKLDKIGLNLPAARRK AANVTLLTSLVEGEAVHLARDFGYVCETEFPAKAVAEFLNRQHSDPNEQVARKNML LATKQICKEFTDLAQRSLGNSRPNPILEPGIQSCLTHFNLISHGFGSPAVCAAVT ALQNYLTEALKAMDKMYLSNNPNSHTDNSAKSSDKEEKHRK
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

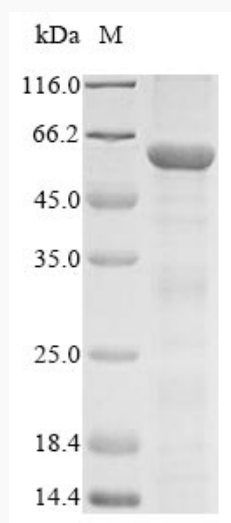
Gene Name	Tfap2a transcription factor AP-2, alpha [<i>Mus musculus</i>]
Official Symbol	TFAP2A
Synonyms	TFAP2A; Ap-2 (a); AP2-alpha; AP-2 alpha; activator protein 2; Ap2; AP-2; Ap2tf; Tcfap2a; AP2alpha;

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Gene ID	21418
mRNA Refseq	NM_001122948
Protein Refseq	NP_001116420
UniProt ID	P34056



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.