

## Recombinant Mouse Tfap2a Protein, Myc/DDK-tagged

**Cat. No.** Tfap2a-6374M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length transcription factor AP-2, alpha (Tfap2a), transcript variant 1a, with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | <p>This gene is a member of the activator protein 2 (AP-2) transcription factor family. The protein encoded by this gene can act as both an activator and repressor of gene transcription, and plays an important role in early embryogenesis, specifically in cranial development. This protein forms both homodimers and heterodimers, and binds to a GC-rich consensus sequence found in some promoters and enhancers. Disruption of this gene causes perinatal death, with neural tube, craniofacial, and limb mesenchyme defects. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Sep 2014]</p> |
| <b>Molecular Mass</b>   | 48.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Tfp2a transcription factor AP-2, alpha [ Mus musculus (house mouse) ]

**Official Symbol** Tfp2a

**Synonyms** TFAP2A; transcription factor AP-2, alpha; transcription factor AP-2-alpha; Ap-2 (a); AP2-alpha; AP-2 alpha; activator protein 2; AP-2 transcription factor; activating enhancer-binding protein 2 alpha; activating enhancer-binding protein 2-alpha; Ap2; AP-2; Ap2tf; Tcfap2a; AP2alpha

**Gene ID** 21418

**mRNA Refseq** NM\_011547

**Protein Refseq** NP\_035677

**UniProt ID** Q8BPN4

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