

## Product datasheet for **TP506962**

### Tfap2a (NM\_011547) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse transcription factor AP-2, alpha (Tfap2a), transcript variant 1a, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR206962 representing NM_011547<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MLWKLTDNIKYEDCEDRHDGTSNGTARLPQLGTVGQSSYTSAPPLSHTPNADFQPPYFPPPYQPIYPQSQ<br>DPYSHVNDPYSLNPLHAQPQPQHPGWPGQRQSQESGLLHHRGLPHQLSGLDPRRDYRRHEDLLHGPHGL<br>GSQLGDLPIHSLPHAIEDVPHVEDPGINIPDQTVIKKGPVLSLSKSNVSAIPINKDNLFGGVVPNEV<br>FCSVPGRLSLLSSTSKYKVTVAEVQRRLSPPECLNASLLGGVLRRAKSKNGRSLREKLDKIGLNLPAGR<br>RKAANVTLTSLVEGEAVHLARDFGYVCETEFPAKAVAFLNRQHSDPNEQVARKNMLLATKQICKEFTD<br>LLAQDRSPLGNRPNPPILEPGIQSCLTHFNLISHGFGSPAVCAAVTALQNYLTEALKAMDKMYLSNNPNS<br>HTDNSAKSSDKEEKHRK<br><br><b>SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-MYC/DDK  |
| Predicted MW:                         | 48.4 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| Storage:                              | Store at -80°C after receiving vials.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                               | <a href="#">NP_035677</a>  |
| Locus ID:                             | 21418  |



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UniProt ID: [P34056](#), [Q8BPN4](#), [A0A0R4J1E6](#), [Q3UL09](#)

RefSeq Size: 2863

Cytogenetics: 13 20.01 cM

RefSeq ORF: 1311

Synonyms: A; AP; AP-2; Ap-2 (a); Ap2; AP2alpha; Ap2tf; Tcfa; Tcfap2a

**Summary:** 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]