

## Product datasheet for **TP306300M**

### GABPA (NM\_002040) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human GA binding protein transcription factor, alpha subunit 60kDa (GABPA), 100 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC206300 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                              |

MTKREAELIEIEIDGTEKAECTEESIVEQTYAPAECVSQAIDINEPIGNLKKLLEPRLQCSLDAHEICL  
QDIQLDPERSLFDQGVKTDGTVQLSVQVISYQGIEPKLNILEIVKPADTVEVIDPPDAHHAESAHLVEE  
AQVITLDGTKHITTISDETSEQVTRWAAALEGYRKEQERLGIPYDPIQWSTDQVLHWWVWVMKEFSMTDI  
DLTTLNISGRELCSLNQEDFFQRVPRGEILWSHLELLRKYVLASQEQMNEIVTIDQPVQIIPASVQSAT  
PTTIKVINSSAKAAKVQRAPRISGEDRSSPGNRTGNNGQIQLWQFLLELLTDKDARDDCISWVGDEGEFKL  
NQPELVAQKWGQRKNKPTMNYEKLRSALRYYYDGDGMICKVQGKRFVYKFVCDLKTLLIGYSAAELNRLVTE  
CEQKKLAKMQLHGIAQPVTAVALSTASLQTEKDN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 51.1 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   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| 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.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |



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RefSeq: [NP\\_002031](#)

Locus ID: 2551

UniProt ID: [Q06546](#), [A8IE48](#), [Q8IYS3](#)

RefSeq Size: 5182

Cytogenetics: 21q21.3

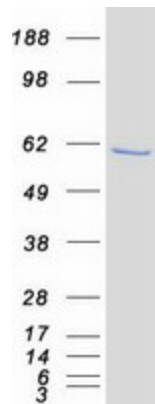
RefSeq ORF: 1362

Synonyms: E4TF1-60; E4TF1A; NFT2; NRF2; NRF2A; RCH04A07

**Summary:** This gene encodes one of three GA-binding protein transcription factor subunits which functions as a DNA-binding subunit. Since this subunit shares identity with a subunit encoding the nuclear respiratory factor 2 gene, it is likely involved in activation of cytochrome oxidase expression and nuclear control of mitochondrial function. This subunit also shares identity with a subunit constituting the transcription factor E4TF1, responsible for expression of the adenovirus E4 gene. Because of its chromosomal localization and ability to form heterodimers with other polypeptides, this gene may play a role in the Down Syndrome phenotype. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2010]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified GABPA protein (Cat# [TP306300]). The protein was produced from HEK293T cells transfected with GABPA cDNA clone (Cat# [RC206300]) using MegaTran 2.0 (Cat# [TT210002]).