

Recombinant Human GABPA Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. GABPA-102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

GABPA MS Standard C13 and N15-labeled recombinant protein (NP_002031) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

51.3 kDa

AA Sequence

MTKREAEEELIEIDGTEKAECTEESIVEQTYAPAECVSAIDINEPIGNLKKLLEPRLQ
 CSLDAHEICLQDIQLDPERSLFDQGKVDGTVQLSVQVISYQGIEPKLNILEIVKPADT
 VEVVIDPDAHHAESEAHLVVEEAQVITLDGTDGKHITTISDETSEQVTRWAAALEGYRKEQ
 ERLGIPYDPIQWSTDQVLHWVWVMKEFSMTDIDLTTLNISGRELCSLNQEDFFQRV

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PRGEILWSHLELLLRKYVVLASQEQQMNEIVTIDQPVQIIPASVQSATPTTIKVINSSAKA
 AKVQRAPRISGEDRSSPGNRTGNNGQIQLWQFLELLTDKDARDCISWVGDEGEFK
 LNQPELVAQKWGQRKNKPTMNYEKLSRALRYYYDGDGMICKVQGKRFVYKFVCDLK
 TLIGYSAAELNRLVTECEQKKLAKMQLHGIAQPVAVALSTASLQTEKDNRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [GABPA GA binding protein transcription factor subunit alpha \[Homo sapiens \(human\) \]](#)

Official Symbol [GABPA](#)

Synonyms GABPA; GA binding protein transcription factor subunit alpha; E4TF1-60; E4TF1A; NFT2; NRF2; NRF2A; RCH04A07; GA-binding protein alpha chain; GA binding protein transcription factor alpha subunit 60kDa; GABP subunit alpha; human nuclear respiratory factor-2 subunit alpha; nuclear respiratory factor 2 alpha subunit; nuclear respiratory factor 2 subunit alpha; transcription factor E4TF1-60

Gene ID [2551](#)

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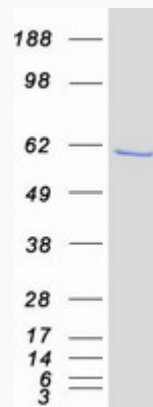
mRNA Refseq [NM_002040](#)

Protein Refseq [NP_002031](#)

MIM [600609](#)

UniProt ID [Q06546](#)

SDS-PAGE



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