

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	MTKREAEEIEIDGTEKAECTEESIVEQTYAPAECVSQAIDINEPIGNLKKLLEPRLQ CSLDAHEICLQDIQLDPERSLFDQGKTDGTVQLSVQVISYQGIEPKLNILEIVKPADT VEVVIDPDAHHAEESEAHLVVEAQVITLDGTKHITTISDETSEQVTRWAAALEGYRKEQ ERLGIPYDPIQWSTDQVLHWVWVMKEFSMTDIDLTTLNISGRELCSLNQEDFFQRV

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PRGEILWSHLELLRKYVLASQEQQMNEIVTIDQPVQIIPASVQSATPTTIKVINSSAKA
AKVQRAPRISGEDRSSPGNRTGNNGQIQLWQFLLELLTDKDARDCISWVGDEGEFK
LNQPELVAQKWGQRKNKPTMNYEKLRSALRYYYDGDGMICKVQGKRFVYKFVCDLK
TLIGYSAAELNRLVTECEQKKLAKMQLHGIAQPVTAVALSTASLQTEKDNTTRTRPLEQ
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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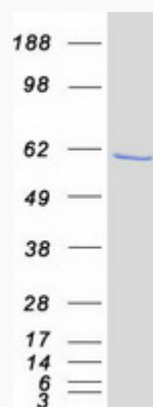
mRNA Refseq NM_002040

Protein Refseq NP_002031

MIM 600609

UniProt ID Q06546

SDS-PAGE



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