

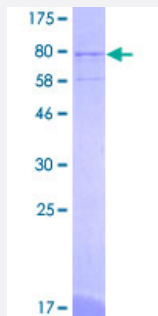
Full-Length

GABPA (Human) Recombinant Protein (P01)

Catalog # H00002551-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human GABPA full-length ORF (AAH35031, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTKREAEELEIEIDGTEKAECTEESIVEQTYAPAECVSQAIDINEPIGNLKKLLEPRLQCSLDAHEIC
LQDIQLDPERSLFDQGKTDGTVQLSVQVISYQGIEPKLNILEMVKPADTVEVVIDPDAHHAESEAH
LVEEAQVITLDGTHITTISDETSEQVTRWAAALEGYRKEQERLGIPYDPIQWSTDQVLHWVWVM
KEFSMTDIDLTLNISGRELCSLNQEDFFQRVPRGEILWSHLELLRKYVLASQEQQMNEVTIDQPV
QIIPASVQSATPTTIKVINSSAKAAKVQRAPRISGEDRSSPGNRTGNNGQIQLWQFLLELLTDKDAR
DCISWVGDEGEFKNQPELVAQKWGQRKNKPTMNYEKLSRALRYYYDGMICKVQGKRFVYKFV
CDLKTIGYSAAELNRLVTECEQKKLAKMQLHGIAQPVTAVASTASLQTEKDN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

75.68

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GABPA

Entrez GeneID [2551](#)

GeneBank Accession# [BC035031](#)

Protein Accession# [AAH35031](#)

Gene Name GABPA

Gene Alias E4TF1-60, E4TF1A, NFT2, NRF2, NRF2A

Gene Description GA binding protein transcription factor, alpha subunit 60kDa

Omim ID [600609](#)

Gene Ontology [Hyperlink](#)

Gene 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. [provided by RefSeq]

Other Designations GA binding protein transcription factor, alpha subunit|OTTHUMP00000096114|human nuclear respiratory factor-2 subunit alpha|nuclear respiratory factor 2 alpha subunit

Publication Reference

- [An interaction proteomics survey of transcription factor binding at recurrent TERT promoter mutations.](#)

Makowski MM, Willems E, Fang J, Choi J, Zhang T, Jansen PW, Brown KM, Vermeulen M.

Proteomics 2016 Feb; 16(3):417.

Application: Band-shift experiments, Melanoma cell lines

Disease

- [Carcinoma](#)
- [Esophageal Neoplasms](#)
- [Lupus Erythematosus](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)