Recombinant Full Length Human GABPA Protein, GST-tagged

Cat. No. GABPA-5179HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GABPA full-length ORF (AAH35031, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	454 amino acids
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. [provided by RefSeq
Molecular Mass	75.68 kDa
AA Sequence	MTKREAEELIEIEIDGTEKAECTEESIVEQTYAPAECVSQAIDINEPIGNLKKLLEPRLQ CSLDAHEICLQDIQLDPERSLFDQGVKTDGTVQLSVQVISYQGIEPKLNILEIVKPADT VEVVIDPDAHHAESEAHLVEEAQVITLDGTKHITTISDETSEQVTRWAAALEGYRKEQ ERLGIPYDPIQWSTDQVLHWVVWVMKEFSMTDIDLTTLNISGRELCSLNQEDFFQRV PRGEILWSHLELLRKYVLASQEQQMNEIVTIDQPVQIIPASVQSATPTTIKVINSSAKA

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	AKVQRAPRISGEDRSSPGNRTGNNGQIQLWQFLLELLTDKDARDCISWVGDEGEFK LNQPELVAQKWGQRKNKPTMNYEKLSRALRYYYDGDMICKVQGKRFVYKFVCDLK TLIGYSAAELNRLVTECEQKKLAKMQLHGIAQPVTAVALSTASLQTEKDN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GABPA GA binding protein transcription factor, alpha subunit 60kDa [Homo sapiens]
Official Symbol	GABPA
Synonyms	GABPA; GA binding protein transcription factor, alpha subunit 60kDa; GA binding protein transcription factor, alpha subunit (60kD); GA-binding protein alpha chain; E4TF1 60; E4TF1A; human nuclear respiratory factor 2 subunit alpha; NFT2; NRF2; NRF2A; nuclear respiratory factor 2 alpha subunit; GABP subunit alpha; transcription factor E4TF1-60; nuclear respiratory factor 2 subunit alpha; human nuclear respiratory factor-2 subunit alpha; GA binding protein transcription factor alpha subunit 60kDa; E4TF1-60; RCH04A07;
Gene ID	2551

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mRNA Refseq	NM_001197297
Protein Refseq	NP_001184226
MIM	600609
UniProt ID	Q06546

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