

Recombinant Full Length Human COQ8A Protein, GST-tagged

Cat. No. COQ8A-2761HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CABP1 full-length ORF (AAH05171, 1 a.a. - 647 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	647 amino acids
Description	This gene encodes a mitochondrial protein similar to yeast ABC1, which functions in an electron-transferring membrane protein complex in the respiratory chain. It is not related to the family of ABC transporter proteins. Expression of this gene is induced by the tumor suppressor p53 and in response to DNA damage, and inhibiting its expression partially suppresses p53-induced apoptosis. Alternatively spliced transcript variants have been found; however, their full-length nature has not been determined. [provided by RefSeq, Jul 2008]
Molecular Mass	96.91 kDa
AA Sequence	MAAILGDTIMVAKGLVKLTQAAVETHLQHLGIGGELIMAARALQSTAVEQIGMFLGKV QGQDKHEEYFAENFGGPEGEFHFVSPAAGASTDFSSASAPDQSAPPSLGHAHSE GPAPAYVASGPFREAGFPGQASSPLGRANGRLFANPRDSFSAMGFQRRFFHQDQ SPVGGLTAEDIEKARQAKARPENKQHKQTLSEHARERKVPVTRIGRLANFGGLAVG LGFGALAEVAKKSLRSEDPSGKKAVLGSSPFLSEANAERIVRTLCKVRGAALKLGQM LSIQDDAFINPHLAKIFERVRQSADFMPKQMMKTLNNDLGNWRDKLEYFEERPFA

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AASIGQVHLARMKGGREVAMKIQYPGVAQSINSDVNNLMAVLNMSNMLPEGLFPEH
 LIDVLRRELALECDYQREAAACARKFRDLLKGHPFFYVPEIVDELCSPHVLTTELVSFG
 PLDQAEGLSQEIRNEICYNILVLCLRELFEFHFMTDPNWSNFFYDPQQHKVALLDF
 GATREYDRSFTDLYIQIIRAAADRDRETVRAKSIEMKFLTGYEVKVMEDAHLDAILLG
 EAFASDEPFDFGTQSTTEKIHNLIPVMLRHRLVPPPEETYSLHRKMGGSFILCSKLKA
 RFPCKAMFEEAYSNYCKRQAQQ

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

COQ8A coenzyme Q8A [Homo sapiens (human)]

Official Symbol

COQ8A

Synonyms

COQ8A; coenzyme Q8A; CAB1; chaperone, ABC1 activity of bc1 complex like (S. pombe); CAB1, chaperone, ABC1 activity of bc1 complex homolog (S. pombe), chaperone, ABC1 activity of bc1 complex like (S. pombe), chaperone ABC1 (activity of bc1 complex, S.pombe) like; coenzyme Q8 homolog (yeast); COQ8; SCAR9; Coenzyme Q8A; AarF Domain-Containing Protein Kinase 3; Coenzyme Q Protein 8A; Chaperone, ABC1 Activity Of Bc1 Complex Homolog (S. Pombe); Chaperone, ABC1 Activity Of Bc1 Complex Like (S. Pombe); Chaperone-ABC1 (Activity Of Bc1

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Complex, S.Pombe)-Like; Chaperone Activity Of Bc1 Complex-Like, Mitochondrial; Chaperone, ABC1 Activity Of Bc1 Complex Homolog; Chaperone Activity Of Bc1 Complex-Like; Atypical Kinase ADCK3, Mitochondrial; Atypical Kinase COQ8A, Mitochondrial; AarF Domain Containing Kinase 3; Coenzyme Q8 Homolog (Yeast); Coenzyme Q8 Homolog; Chaperone-ABC1-Like; EC 2.7.-.-; EC 2.7.11

Gene ID	56997
mRNA Refseq	NM_020247
Protein Refseq	NP_064632
MIM	606980
UniProt ID	Q8NI60