

Recombinant Human ADCK3, GST-tagged

Cat. No. ADCK3-97H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ADCK3 (156-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	156-end a.a.
Description	ADCK3 or aarF domain containing kinase 3 is a mitochondrial protein similar to yeast ABC1, which functions in an electron-transferring membrane protein complex in the respiratory chain. ADCK3 is involved in coenzyme Q10 synthesis which is essential for proper functioning of the mitochondrial respiratory chain. Expression of ADCK3 is induced by the tumor suppressor p53 and in response to DNA damage, and inhibiting its expression partially suppresses p53-induced apoptosis.
Form	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~83 kDa
Purity	>75% by densitometry
Applications	Western Blot

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Storage	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/ul
GENE INFORMATION	
Gene Name	ADCK3 aarF domain containing kinase 3 [Homo sapiens]
Official Symbol	ADCK3
Synonyms	ADCK3; aarF domain containing kinase 3; CABC1, 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; chaperone activity of bc1 complex-like, mitochondrial; coenzyme Q8 homolog (yeast); COQ8; SCAR9; coenzyme Q8 homolog; aarF domain-containing protein kinase 3; chaperone, ABC1 activity of bc1 complex homolog; ARCA2; CABC1; MGC4849;
Gene ID	56997
mRNA Refseq	NM_020247
Protein Refseq	NP_064632
MIM	606980
UniProt ID	Q8NI60
Chromosome Location	1q42.11

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Function

ATP binding; kinase activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity, transferring phosphorus-containing groups;

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