

Recombinant Full Length Human ATAD3B Protein, GST-tagged

Cat. No. ATAD3B-1468HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATAD3B full-length ORF (AAH02542.1, 1 a.a. - 648 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	648 amino acids
Description	The protein encoded by this gene is localized to the mitochondrial inner membrane, where it can bind to a highly-related protein, ATAD3A. ATAD3A appears to interact with matrix nucleoid complexes, and the encoded protein negatively regulates that interaction. This gene is expressed almost exclusively in pluripotent embryonic stem cells and some cancer cells. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]
Molecular Mass	99 kDa
AA Sequence	MSWLFGVNKG PKGEGAGPPP PLPPAQPGAE GGGDRGLGDR PAPKDKWSNF DPTGLERA AK AARELEHSRY AKEALNLAQM QEQTQLQLEQQ SKLKEYEAAV EQLKSEQIRA QAEERRKTLS EETRQHQA QYQDKLARQR YEDQLKQQR L LNEENLRKQE ESVQKQEAMR RATVEREMEL RHKNEMLRVE TEARARAKAE RENADIIREQ IRLKASEHRQ TVLESIRTAG TLFGEGFRAF VTDRDKVTAT VAGLTLLAVG VYSAKNATAV TGRFIEARLG KPSLVRET SR ITVLEALRHP IQVSRRLLSR PQDVLEGVVL SPSLEARVRD IAIATRNTKK NRGLYRHILL

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YGPPGTGKTL FAKKLALHSG MDYAIMTGGD VAPMGREGVT AMHKLFDWAN
 TSRRGLLLFM DEADAFRLKR ATEEISKDLR ATLNAFLYHM GQHSNKFMLV
 LASNLPEQFD CAINSRIDVM VHFDLPQQEE RERLVRLHFD NCVLKPATEG
 KRRLKLAQFD YGRKCSEVAR LTEGMSGREI AQLAVSWQAT AYASKDGVLT
 EAMMDACVQD AVQQYRQKMR WLKAEGPGRG VEHPLSGVQG ETLTWSLAT
 DPSYPCLAGP CTFRICSWMG TGLCPGPLSP RMSCGGGRPF CPPGHPLL

Applications

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

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

ATAD3B ATPase family, AAA domain containing 3B [Homo sapiens]

Official Symbol

ATAD3B

Synonyms

ATAD3B; ATPase family, AAA domain containing 3B; ATPase family AAA domain-
 containing protein 3B; KIAA1273; TOB3; AAA-ATPase TOB3; AAA-TOB3

Gene ID

83858

mRNA Refseq

NM_031921

Protein Refseq

NP_114127

MIM

612317

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UniProt ID

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