

Recombinant Human ATAD3B protein, GST-tagged

Cat. No. ATAD3B-931H **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	Wheat Germ
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	MSWLFGVNGPKGEGAGPPPPLPPAQPGAEGGGDRGLGDRPAPKDKWSNFDPT GLERAACAARELEHSRYAKEALNLAQMQEQLQLEQQSKLKEYEAAVEQLKSEQIR AQAEERRKTLSEETRQHQAQAQYQDKLARQRYEDQLKQQRLLNEENLRKQEEVSQ KQEAMRRATVEREMELRHKNEMLRVETEARARAKAERENADIIREQIRLKASEHRQ TVLESIRTAGTLFGEGFRAFVTDRDKVTATVAGLTLLAVGVYSAKNATAVTGRFIEAR LGKPSLVRETSRITVLEALRHPIQVSRRLSRPQDVLEGVVLSPSLEARVRDIAIATR TKKNRGLYRHILLYGPPGTGKTLFAKKLALHSGMDYAIMTGGDVAPMGREGVTAMH KLFDWANTSRRGLLLFMDEADAFLRKRATEEISKDLRATLNAFLYHMGQHSNKFML

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VLASNLPEQFDCAINSRIDVMVHFDLPQQEERERLVRLHFDNCVLKPATEGKRRLKL
AQFDYGRKCSEVARLTEGMSGREIAQLAVSWQATAYASKDGVLTEAMMDACVQDA
VQQYRQKMRWLKAEGPGRGVEHPLSGVQGETLTWSLATDPSYPCLAGPCTFRIC
SWMGTGLCPGPLSPRMSCGGGRPFPPGHPLL

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

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

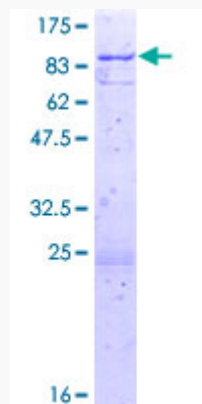
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UniProt ID

Q5T9A4



12.5% SDS-PAGE Stained with Coomassie Blue.

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