

Recombinant Human ATAD2B Protein, His-Tagged

Cat. No. ATAD2B-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATAD2B Protein, His-Tagged was expressed in E. coli cell
Species	Human
Source	E.coli
Description	The protein encoded by this gene belongs to the AAA ATPase family. This family member includes an N-terminal bromodomain. It has been found to be localized to the nucleus, partly to replication sites, consistent with a chromatin-related function. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	18.3 kDa
Storage	-70°C. Thaw quickly and store on ice before use. The remaining, unused, undiluted protein should be snap frozen, for example in a dry/ice ethanol bath or liquid nitrogen. Minimize freeze/thaws if possible, but very low volume aliquots (<5 μ) or storage of diluted protein is not recommended.
Storage Buffer	Solution of purified recombinant protein in 50 mM Tris-HCl pH 7.5, 500 mM NaCl, 1 mM TCEP, 10% glycerol (v/v)

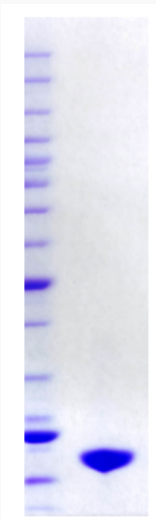
GENE INFORMATION

Gene Name	ATAD2B ATPase family AAA domain containing 2B [Homo sapiens (human)]
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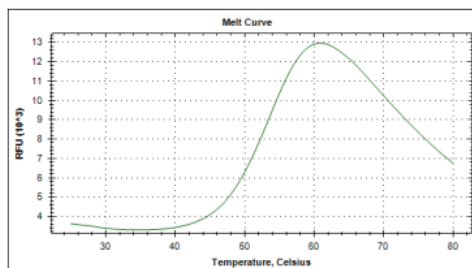
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Official Symbol	ATAD2B
Gene ID	54454
mRNA Refseq	NM_017552
Protein Refseq	NP_001229267.2
MIM	615347
UniProt ID	Q9ULI0
MW markers (left) are, from top, 220, 160, 120, 100, 90, 80, 70, blue stained 60, 50, 40, 30, 25, 20, 15, 10 kDa.  Coomassie blue stained SDS-PAGE(4-12% acrylamide) of 8 µg of RBC ATAD2B (His).	

Differential Scanning Fluorimetry of RBC ATAD2B (His)



Thermal denaturation of ATAD2B (His) is detected (CFX384™ Touch thermal cycler, 'FRET' channel; Bio-Rad) by increased binding and fluorescence of the dye SYPRO® Orange (Life Technologies). Apo form of ATAD2B-H displays a T_m of 53.5°C and is not stabilized in the presence of various known bromodomain ligands (JQ1, PFI1, CBP112, Bromosporine, SGC-CBP30, BET151 and RVX-208; all tested at 25 μ M).

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