

Bis(5'-adenosyl)-triphosphatase Recombinant Protein | Fhit recombinant protein

Recombinant Mouse Bis(5'-adenosyl)-triphosphatase

CATALOG # AAA115634	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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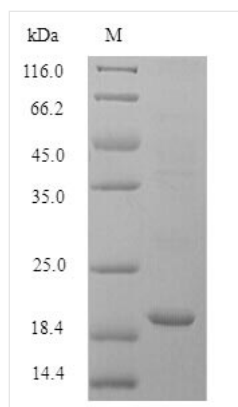
PRODUCT SYNONYMS

Bis(5'-adenosyl)-triphosphatase; Recombinant Mouse Bis(5'-adenosyl)-triphosphatase; AP3A hydrolase; AP3; Aase; Diadenosine 5'; 5'''-P1; P3-triphosphate hydrolase; Dinucleosidetriphosphatase; Fragile histidine triad protein; Fhit recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-150aa; Full Length
Sequence	SFRFGQHLLK PSVFLKTEL SFALVNRKPV VPGHVLVCPL RPVERFRDLH PDEVADLFQV TQRVGTVVEK HFQGTSTIFS MQDGPEAGQT VKHVHVHVLV RKAGDFPRND NIYDELQKHD REEEDSPAFW RSEKEMAAEA EALRVYFQA
Sequence Length	150
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Fhit recombinant protein	Cleaves P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. Can also hydrolyze P(1)-P(4)-bis(5'-adenosyl) tetraphosphate (Ap4A), but has extremely low activity with ATP. Modulates transcriptional activation by CTNNB1 and thereby contributes to regulate the expression of genes essential for cell proliferation and survival, such as CCND1 and BIRC5. Plays a role in the induction of apoptosis via SRC and AKT1 signaling pathways. Inhibits MDM2-mediated proteasomal degradation of p53/TP53 and thereby plays a role in p53/TP53-mediated apoptosis. Induction of apoptosis depends on the ability of FHIT to bind P(1)-P(3)-bis(5'-adenosyl) triphosphate or related compounds, but does not require its catalytic activity. Functions as tumor suppressor.
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References	The murine Fhit locus isolation, characterization, and expression in normal and tumor cells.Pekarsky Y., Druck T., Coticelli M.G., Ohta M., Shou J., Mendrola J., Montgomery J.C., Buchberg A.M., Siracusa L.D., Manenti G., Fong L.Y., Dragani T.A., Croce C.M., Huebner K.Cancer Res. 58:3401-3408(1998) Nitrilase and Fhit homologs are encoded as fusion proteins in Drosophila melanogaster and Caenorhabditis elegans.Pekarsky Y., Campiglio M., Siprashvili Z., Druck T., Sedkov Y., Tillib S., Draganescu A., Wermuth P., Rothman J.H., Huebner K., Buchberg A.M., Mazo A., Brenner C., Croce C.M.Proc. Natl. Acad. Sci. U.S.A. 95:8744-8749(1998) Muir-Torre-like syndrome in Fhit-deficient mice.Fong L.Y., Fidanza V., Zanesi N., Lock L.F., Siracusa L.D., Mancini R., Siprashvili Z., Ottey M., Martin S.E., Druck T., McCue P.A., Croce C.M., Huebner K.Proc. Natl. Acad. Sci. U.S.A. 97:4742-4747(2000) The tumor spectrum in FHIT-deficient mice.Zanesi N., Fidanza V., Fong L.Y., Mancini R., Druck T., Valtieri M., Rudiger T., McCue P.A., Croce C.M., Huebner K.Proc. Natl. Acad. Sci. U.S.A. 98:10250-10255(2001)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	815930058
NCBI GeneID	14198
NCBI Accession #	NP_001295215.1
NCBI GenBank Nucleotide #	NM_001308286.1
UniProt Accession #	O89106; Q6URW5; Q91VL1
Molecular Weight	19.1 kDa
NCBI Official Full Name	bis(5'-adenosyl)-triphosphatase isoform 2
NCBI Official Synonym Full Names	fragile histidine triad gene
NCBI Official Symbol	Fhit
NCBI Official Synonym Symbols	Fra14A2; AW045638
NCBI Protein Information	bis(5'-adenosyl)-triphosphatase
UniProt Protein Name	Bis(5'-adenosyl)-triphosphatase
UniProt Gene Name	Fhit
UniProt Synonym Gene Names	AP3Aase
UniProt Entry Name	FHIT_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.