

Recombinant Mouse Fhit Protein, Myc/DDK-tagged

Cat. No. Fhit-3010M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length fragile histidine triad gene (Fhit), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>This gene encodes a member of the HIT family of proteins that are characterized by the presence of a histidine triad sequence. The encoded protein is a diadenosine triphosphate hydrolase enzyme that cleaves the P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. This locus is very fragile and has been found to be altered in different types of cancers. Mice lacking the encoded protein display increased susceptibility to spontaneous and induced tumors. Ectopic expression of the encoded protein in such knockout mice inhibits tumor development. Alternative splicing results in multiple transcript variants encoding different isoforms.</p>
Molecular Mass	17.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Fhit fragile histidine triad gene [*Mus musculus* (house mouse)]

Official Symbol Fhit

Synonyms

FHIT; fragile histidine triad gene; bis(5-adenosyl)-triphosphatase; AP3Aase; AP3A hydrolase; dinucleosidetriphosphatase; fragile histidine triad protein; diadenosine triphosphate hydrolase; diadenosine 5,5-P1,P3-triphosphate hydrolase; Fra14A2; AW045638

Gene ID 14198

mRNA Refseq NM_010210

Protein Refseq NP_034340

UniProt ID O89106

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