Recombinant Human FHIT, His-tagged

Cat. No. FHIT-27014TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FHIT with C terminal His tag; 155 amino acids with tag, MWt 17.9kDa.
Species	Human
Source	E.coli
ProteinLength	147 amino acids
Description	This gene, a member of the histidine triad gene family, encodes a diadenosine 5,5-P1,P3-triphosphate hydrolase involved in purine metabolism. The gene encompasses the common fragile site FRA3B on chromosome 3, where carcinogen-induced damage can lead to translocations and aberrant transcripts of this gene. In fact, aberrant transcripts from this gene have been found in about half of all esophageal, stomach, and colon carcinomas. Alternatively spliced transcript variants have been found for this gene.
Conjugation	HIS
Molecular Weight	17.900kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MSFRFGQHLI KPSVVFLKTE LSFALVNRKP VVPGHVLVCP LRPVERFHDL RPDEVADLFQ TTQRVGTVVE KHFHGTSLTF SMQDGPEAGQ TVKHVHVHVL PRKAGDFHRN DSIYEELQKH DKEDFPASWR SEEEMAAEAA ALRVYFQLEH HHHHH

GENE INFORMATION

Gene Name	FHIT fragile histidine triad gene [Homo sapiens]
Official Symbol	FHIT
Synonyms	FHIT; fragile histidine triad gene; bis(5-adenosyl)-triphosphatase; AP3Aase; FRA3B;
Gene ID	2272
mRNA Refseq	NM_001166243
Protein Refseq	NP_001159715
MIM	601153
Uniprot ID	P49789
Chromosome Location	3p14.2
Pathway	Non-small cell lung cancer, organism-specific biosystem; Non-small cell lung cancer,

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	conserved biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Small cell lung cancer, organism-specific biosystem;
Function	bis(5-adenosyl)-triphosphatase activity; catalytic activity; hydrolase activity; nickel ion binding; protein binding;

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