

Recombinant Human FHIT 293 Cell Lysate

Cat. No. FHIT-6226HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for fragile histidine triad gene (FHIT), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

FHIT fragile histidine triad [Homo sapiens]

Official Symbol

FHIT

Synonyms

FHIT; fragile histidine triad; fragile histidine triad gene; bis(5-adenosyl)-triphosphatase; AP3Aase; FRA3B; AP3A hydrolase; tumor suppressor protein; dinucleosidetriphosphatase; diadenosine 5,5-P1,P3-triphosphate hydrolase;

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, conserved biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Small cell lung cancer, organism-specific biosystem; Small cell lung cancer, conserved biosystem;

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Function

bis(5-adenosyl)-triphosphatase activity; catalytic activity; hydrolase activity; nickel cation binding; protein binding;

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