

AR09473PU-N

Human FHIT (1-147, His-tag) - Purified

Alternate names:

AP3A hydrolase, AP3Aase, Bis(5'-adenosyl)-triphosphatase, Dinucleosidetriphosphatase, Fragile histidine triad protein

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

FHIT (fragile histidine triad) is an enzyme that cleaves adenosine 5' PPP 5' A to yield AMP and ADP. FHIT gene encompasses the common fragile site FRA3B on chromosome 3. Alterations and deletions of the FHIT gene are strongly linked to the genesis and establishment of human tumors of the lung, cervix, breast, colon, stomach and pancreas. In normal cells, FHIT may act as a tumor suppressor. This protein physically associates with ubiquitin conjugating enzyme 9.

Uniprot ID:

[P49789](#)

NCBI:

[NP_002003](#)

GeneID:

[2272](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

Description:

Recombinant human FHIT, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MSFRFGQHLL KPSVVFLKTE LSFALVNRKP VVPGHVLVCP LRPVERFHDLL RPDEVADLFQ
TTQRVGTVVE KHFGHTSLTF SMQDGPEAGQ TVKHVVHVHL PRKAGDFHRN DSIYEELQKH
DKEDFPASWR SEEEMAAEAA ALRVYFQLEH HHHHH

Molecular weight: 17.9 kDa (155 aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

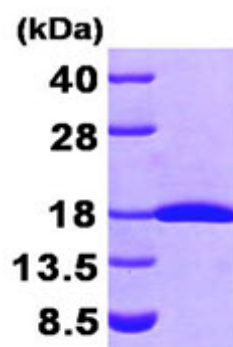
Shelf life: one year from despatch.

General Readings:

Kmiec Z., et al. (2009) J Physiol Pharmacol. 60(4):63-70.

Ahmad F., et al. (2010) J Cancer Res Clin Oncol. 136(3):333-50.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human FHIT, 1-147 aa, His-tagged: 15% SDS-PAGE (3 ug)

