

# Product information



## FHIT, 1-147aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0563

**Full name:** Fragile histidine triad protein

**NCBI Accession No.:** NP\_002003

**Synonyms:** Bis (5'-adenosyl)-triphosphatase , AP3Aase

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

<p><b>Form:</b> Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol</p> <p><b>Molecular Weight:</b> 17.9 kDa(155aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 95% by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p>	<p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p>MSFRFGQHLLI KPSVVFLKTE LSFALVNRKP VPGHVLVCP LRPVERFHDL RPDEVADLFQ TTQRVGTVVE KHFHGTSLTF SMQDGPEAGQ TVKHVHVHVL PRKAGDFHRN DSIYEELQKH DKEDFPASWR SEEEMAAEAA ALRVYFQLEH HHHHH</p>	

### General references:

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.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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