

## FHIT recombinant protein

FHIT, 1-147aa, Human, His tag, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48580</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

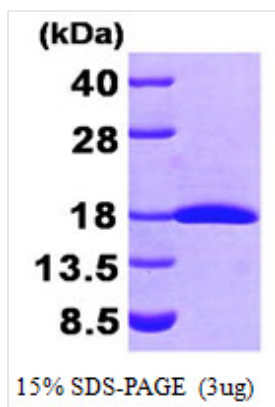
### PRODUCT SYNONYMS

FHIT; 1-147aa; Human; His tag; E Coli; Fragile histidine triad protein; Bis (5'-adenosyl)-triphosphatase; AP3Aase; Fragile histidine triad protein AP3A hydrolase; AP3A hydrolase fragile site 3p14.2; Bis 5' adenosyl triphosphatase; Diadenosine 5' 5''' P1 P3 triphosphate hydrolase; Dinucleosidetriphosphatase; FRA 3B; FRA3B; Fragile histidine triad; Fragile histidine triad gene; Tumor suppressor protein.; FHIT recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                            |
| Purity/Purification                                  | > 95% by SDS-PAGE                                                                                                                                                                 |
| Form/Format                                          | Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol                                                                                                                 |
| Concentration                                        | 1 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                            |
| Sequence                                             | MSFRFGQHLI KPSVVFLKTE LSFALVNRKP VVPGHVLVCP LRPVERFHD L RPDEVADLFQ TTQRVGTVVE<br>KHFGHTSLTF SMQDGPEAGQ TVKHVHVHVL PRKAGDFHRN DSIYEELQKH DKEDFPASWR SEEEMAAEAA<br>ALRVYFQLEH HHHHH |
| Sequence Length                                      | 147                                                                                                                                                                               |
| Applicable Applications for FHIT recombinant protein | SDS-PAGE                                                                                                                                                                          |
| Antigen Species                                      | Human                                                                                                                                                                             |
| Tag Information                                      | His-tag                                                                                                                                                                           |
| Preparation and Storage                              | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles.   |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for FHIT recombinant protein | 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. |
| Product Categories/Family for FHIT recombinant protein   | Enzymes & Proteases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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.;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 4503719                                                |
| NCBI GeneID                      | 2272                                                   |
| NCBI Accession #                 | NP_002003                                              |
| NCBI GenBank Nucleotide #        | NM_002012.3                                            |
| UniProt Accession #              | P49789; Q45QG9; Q6IU12; A2IAS9; A2IAT0; A2IAT6; A8K1A9 |
| Molecular Weight                 | 17.9 kDa (155aa), confirmed by MALDI-TOF               |
| NCBI Official Full Name          | bis(5'-adenosyl)-triphosphatase isoform 1              |
| NCBI Official Synonym Full Names | fragile histidine triad                                |
| NCBI Official Symbol             | FHIT                                                   |
| NCBI Official Synonym Symbols    | FRA3B; AP3Aase                                         |
| NCBI Protein Information         | bis(5'-adenosyl)-triphosphatase                        |
| UniProt Protein Name             | Bis(5'-adenosyl)-triphosphatase                        |
| UniProt Gene Name                | FHIT                                                   |
| UniProt Synonym Gene Names       | AP3Aase                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.