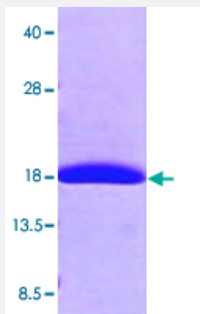


Full-Length

FHIT (Human) Recombinant Protein

Catalog # P3552 Size 100 ug

Applications



Specification

Product Description	Human FHIT (NP_002003, 1 a.a. - 147 a.a.) full-length recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MSFRFGQHLLKPSVVFLKTELSFALVNRKPVPVGHVLCPLRPVERFHDLRPDEVADLFQTTQRV GTVVEKHFGHTSLTFMQDGPEAGQTVKHVHVHLPRKAGDFHRNDSYEELQKHKEDFPAS WRSEEEMAAEAAAALRVYFQLEHHHHHH
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	17.9
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (10% glycerol).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — FHIT

Entrez GeneID [2272](#)

Protein Accession# [NP_002003](#)

Gene Name FHIT

Gene Alias AP3Aase, FRA3B

Gene Description fragile histidine triad gene

Omim ID [601153](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations AP3A hydrolase|bis(5'-adenosyl)-triphosphatase|diadenosine 5',5'''-P1,P3-triphosphate hydrolase|dinucleosidetriphosphatase|tumor suppressor protein

Pathway

- [Non-small cell lung cancer](#)
- [Purine metabolism](#)
- [Small cell lung cancer](#)

Disease

- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chagas Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mouth Neoplasms](#)
- [Overweight](#)
- [Papillomavirus Infections](#)
- [Pharyngeal Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Uterine Cervical Neoplasms](#)