

## Product datasheet for **TP328740M**

### **FHIT (NM\_001166243) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human fragile histidine triad gene (FHIT), transcript variant 2, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC228740 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSFRFGQHLLIKPSVFLKTELSFALVNRKPVVPGHVLVCLRPVERFHDLRPDEVADLFQTTQRVGTVE  
KHFHGTSLTFSMQDGPEAGQTVKHVHVHVLPRKAGDFHRNDSIYEELQKHKEDFPASWRSEEEEMAAEAA  
ALRVYFQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 16.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001159715](#)

**Locus ID:** 2272

**UniProt ID:** [P49789](#), [A0A024R366](#)

**RefSeq Size:** 1122



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Cytogenetics: 3p14.2

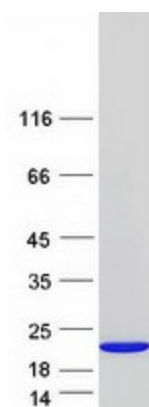
RefSeq ORF: 441

Synonyms: AP3Aase; FRA3B

**Summary:** The protein encoded by this gene is a P1-P3-bis(5'-adenosyl) triphosphate hydrolase involved in purine metabolism. This gene encompasses the common fragile site FRA3B on chromosome 3, where carcinogen-induced damage can lead to translocations and aberrant transcripts. In fact, aberrant transcripts from this gene have been found in about half of all esophageal, stomach, and colon carcinomas. The encoded protein is also a tumor suppressor, as loss of its activity results in replication stress and DNA damage. [provided by RefSeq, Aug 2017]

**Protein Pathways:** Non-small cell lung cancer, Purine metabolism, Small cell lung cancer

### Product images:



Coomassie blue staining of purified FHIT protein (Cat# [TP328740]). The protein was produced from HEK293T cells transfected with FHIT cDNA clone (Cat# [RC228740]) using MegaTran 2.0 (Cat# [TT210002]).