

FHIT, 1-147aa, Human, His tag, E.coli

Cat.NO.: TP02126

3th Edition

Synonyms: Fragile histidine triad protein, 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.

Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

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

Sequences:

MSFRFGQHLLKPSVVFLKTELSFALVNRKPVVPGHVLVCPLRPVERFHDLRPDEVADLFQTTQRVGTVVEKHFHGT
SLTFMQDGPAGQTVKHVHVHVLPRKAGDFHRNDSIYEELQKHKEDFPASWRSEEEMAAEAAAALRVYFQLEH
HHHHH

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.