

32-3829: FHIT Recombinant Protein

Alternative Name : EC 3.6.1.29, Dinucleosidetriphosphatase, Bis (5"-adenosyl)-triphosphatase ,AP3Aase, AP3A hydrolase, Diadenosine 5",5""-P1,P3-triphosphate hydrolase, FRA3B.

Description

Source : Escherichia Coli. FHIT Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 155 amino acids (1-147 a.a.) and having a molecular mass of 17.9 kDa. FHIT protein is fused to an 8 amino acid His tag at C-terminus and is purified by standard chromatography. FHIT enzyme cleaves adenosine 5' PPP 5' A to yield AMP and ADP. FHIT gene includes the regular fragile site FRA3B on chromosome 3. Alterations and deletions of the FHIT gene are highly linked to the genesis and establishment of human tumors of the lung, cervix, breast, colon, stomach and pancreas. In normal cells, FHIT functions as a tumor suppressor and physically relates with ubiquitin conjugating enzyme 9.

Product Info

Amount : 25 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : FHIT Human solution containing 20mM Tris-HCl pH-8 & 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MSFRFGQHLL KPSVVFLKTE LSFALVNRKP VVPGHVLVCP LRPVERFHDL RPDEVADLFQ
 TTQRVGTVE KHFGTSLTF SMQDGPEAGQ TVKHVHVHVL PRKAGDFHRN DSIYEELQKH
 DKEDFPASWR SEEEMAAEAA ALRVYFQLEH HHHHH.

