
Product Data Sheet

Product Name: FHIT Human
 Cat. No.: GP23495
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 3.6.1.29; Dinucleosidetriphosphatase; Bis (5''-adenosyl)-triphosphatase ; AP3Aase; AP3A hydrolase; Diadenosine 5'';5''''''-P1;P3-triphosphate hydrolase; FRA3B.		
Amino Acid Sequence	MSFRFGQHLL KPSVVFLKTE LSFALVNRKP VVPGHVLVCP LRPVERFHDL RPDEVADLFQ TTQRVGTVVE KHFHGTSLTF SMQDGPEAGQ TVKHVHVHVL PRKAGDFHRN DSIYEELQKH DKEDFPASWR SEEEMAAEAA ALRVYFQLEH HHHHH.		
Formulation	FHIT Human solution containing 20mM Tris-HCl pH-8 & 10% glycerol.		

Introduction

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.

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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