Datasheet for ABIN5714304

FHIT Protein (AA 2-150) (His tag)

1	Image

Overview

Quantity:	100 μg
Target:	FHIT
Protein Characteristics:	AA 2-150
Origin:	Mouse
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This FHIT protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	SFRFGQHLIK PSVVFLKTEL SFALVNRKPV VPGHVLVCPL RPVERFRDLH PDEVADLFQV TQRVGTVVEK HFQGTSITFS MQDGPEAGQT VKHVHVHVLP RKAGDFPRND NIYDELQKHD REEEDSPAFW RSEKEMAAEA EALRVYFQA
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	FHIT
Alternative Name:	FHIT (FHIT Products)
Background:	Cleaves P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. Can also hydrolyze P(1)-P(4)-bis(5'-adenosyl) tetraphosphate (Ap4A), but has extrely low activity with

Target Details

ATP. Modulates transcriptional activation by CTNNB1 and thereby contributes to regulate the expression of genes essential for cell proliferation and survival, such as CCND1 and BIRC5. Plays a role in the induction of apoptosis via SRC and AKT1 signaling pathways. Inhibits MDM2-mediated proteasomal degradation of p53/TP53 and thereby plays a role in p53/TP53-mediated apoptosis. Induction of apoptosis depends on the ability of FHIT to bind P(1)-P(3)-bis(5'-adenosyl) triphosphate or related compounds, but does not require its catalytic activity . Functions as tumor suppressor.

Molecular Weight:	19.1 kDa
UniProt:	O89106

Application Details

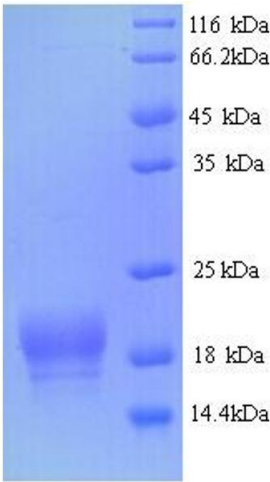|	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images

SDS-PAGE	
Image 1.	