

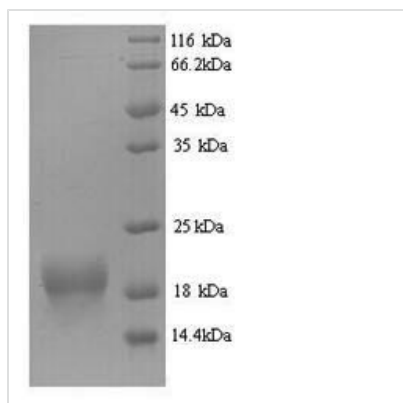


Recombinant Mouse Bis (5'-adenosyl)-triphosphatase (Fhit)

Product Code	CSB-YP530819MO
Relevance	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 extremely low activity with 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.
Abbreviation	Recombinant Mouse Fhit protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O89106
Alias	AP3A hydrolase ;AP3AaseDiadenosine 5',5'''-P1,P3-triphosphate hydrolaseDinucleosidetriphosphataseFragile histidine triad protein
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SFRFGQHLLKPSVFLKTELSFALVNRKPVVPGHVLVCPLRPVERFRDLHPDEV ADLFQVTQRVGTVVEKHFQGTSTITFSMQDGPEAGQTVKHVHVHVLPRKAGDF PRNDNIYDELQKHDREEEDSPAFWRSEKEMAAEAEALRVYFQA
Research Area	Others
Source	Yeast
Target Names	Fhit
Protein Names	Recommended name: Bis(5'-adenosyl)-triphosphatase EC= 3.6.1.29 Alternative name(s): AP3A hydrolase Short name= AP3Aase Diadenosine 5',5'''-P1,P3-triphosphate hydrolase Dinucleosidetriphosphatase Fragile histidine triad pr
Expression Region	2-150aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	19.1kDa


Protein Length

Full Length of Mature Protein

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.