OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP501063

Fhit (NM_010210) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse fragile histidine triad gene (Fhit), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201063 protein sequence Red=Cloning site Green=Tags(s) MSFRFGQHLIKPSVVFLKTELSFALVNRKPVVPGHVLVCPLRPVERFRDLHPDEVADLFQVTQRVGTVVE KHFQGTSITFSMQDGPEAGQTVKHVHVHVLPRKAGDFPRNDNIYDELQKHDREEEDSPAFWRSEEEMAAE AEALRVYFQA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	17.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034340
Locus ID:	14198
UniProt ID:	O89106
RefSeq Size:	998
Cytogenetics:	14 5.61 cM

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RefSeq ORF: 453

Synonyms: AW045638; Fra1; Fra14A2

Summary: This gene encodes a member of the HIT family of proteins that are characterized by the presence of a histidine triad sequence. The encoded protein is a diadenosine triphosphate hydrolase enzyme that cleaves the P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. This locus is very fragile and has been found to be altered in different types of cancers. Mice lacking the encoded protein display increased susceptibility to spontaneous and induced tumors. Ectopic expression of the encoded protein in such knockout mice inhibits tumor development. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]