

Product datasheet for **TP505041**

Fnbp1 (NM_019406) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse formin binding protein 1 (Fnbp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR205041 protein sequence
Red=Cloning site **Green**=Tags(s)

MSWGTELWDQFDNLEKHTQWGIDILEKYIKFVKERTEIELSYAKQLRNLSKKYQPKKNSKEEEEYKYTAC
KAFSLTLNEMNDYAGQHEVISENMTSQITVDLMRYVQELKQERKSNFHDGRKAQQHIETCWKQLESSKRR
FERDCKEADRAQQYFEKMDADINVTKADVEKARQQAQIRQQMAEDSKADYSLILQRFNQEWEYHHTHIP
NIFQKIQEMEERRIVRIGESMKTYAEVDRQVIPIIGKCLDGIVKAAESIDQKNDSQLWEAYKSGFEP
DIEFEDYTQPMKRTVSDNSLSSSKEGKPELRFGGKSRGKLWPFIKKNKVLAIWTLRGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 40 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_062279](#)
Locus ID: 14269
UniProt ID: [Q80TY0](#)



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RefSeq Size: 1983

Cytogenetics: 2 B

RefSeq ORF: 1017

Synonyms: 1110057E06Rik; 2210010H06Rik; FBP1; Fbp17

Summary: Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during the late stage of clathrin-mediated endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also enhances actin polymerization via the recruitment of WASL/N-WASP, which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. May act as a link between RND2 signaling and regulation of the actin cytoskeleton. May be required for the lysosomal retention of FASLG/FASL (By similarity).[UniProtKB/Swiss-Prot Function]