

Product datasheet for TP507119

Abi2 (NM_198127) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse abl-interactor 2 (Abi2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207119 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAELQMLLEEEIPGGRRALFDSYTNLERVADYCENNYIQSPDKQRALEETKAYTTQSLASVAYLINTLAN NVLQMLDIQASQLRRMESSINHISQTVDIHKEKVARREIGILTNNKNTSRTHKIIAPANLERPVRYIRKP IDYTLDDIGHGVKSTQNMKMGGLPRTTPPTQKPPSPMSGKGLGRHSPYRTLEPVRPPVVPNDYVPS PTRNMAPSQSPVRTASVNQRNRTYSSSGSSGSHPSRSSSRENSGSGSVGVPIAVPTSPSPSVFPGHP VQFYSMNRPASRHTPPTIGGSLPYRRPPSITSQTSLQNMGGPFYNQNPVSDTPPPPPVVEEPVFDESP PPPPPPEDYEEEEAAVVEYSDPYAEEDPPWAPRAYLEKVVAIYDYTKDKEDELSFQEGAIIVIKKNDG WYEGVMNGVTGLFPGNYVESIMHYSE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	49.4 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_937760
Locus ID:	329165



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UniProt ID: [P62484](#)

RefSeq Size: 5790

Cytogenetics: 1 C2

RefSeq ORF: 1341

Synonyms: 8430425M24Rik; AI839867; C130078H13

Summary: Regulator of actin cytoskeleton dynamics underlying cell motility and adhesion. Functions as a component of the WAVE complex, which activates actin nucleating machinery Arp2/3 to drive lamellipodia formation (By similarity). Acts as regulator and substrate of nonreceptor tyrosine kinases ABL1 and ABL2 involved in processes linked to cell growth and differentiation. Positively regulates ABL1-mediated phosphorylation of ENAH, which is required for proper polymerization of nucleated actin filaments at the leading edge (By similarity). Contributes to the regulation of actin assembly at the tips of neuron projections. In particular, controls dendritic spine morphogenesis and may promote dendritic spine specification toward large mushroom-type spines known as repositories of memory in the brain (PubMed:15572692). In hippocampal neurons, may mediate actin-dependent BDNF-NTRK2 early endocytic trafficking that triggers dendrite outgrowth (PubMed:27605705). Participates in ocular lens morphogenesis, likely by regulating lamellipodia-driven adherens junction formation at the epithelial cell-secondary lens fiber interface (PubMed:15572692). Also required for nascent adherens junction assembly in epithelial cells (By similarity).[UniProtKB/Swiss-Prot Function]