

Product datasheet for **TP509696**

Abr (BC059064) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse active BCR-related gene (cDNA clone MGC:69899 IMAGE:6825281), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209696 protein sequence Red =Cloning site Green =Tags(s)
	<p>MEILLIIRFCCNCTYALLYKPIDRVTRSTLVLDLLKHTPVDHPDYPLLQDALRISQNFLSSINEDIDPR RTAVTTPKGETRQLVKDGLVEMSESSRKL RHVFLFTDVLLCAKLKTSAGKHQQYDCKWYIPLADLVFP SPEESEASPQVHPFPDHELEDMKT KISALKSEIQKEKANKGQSRAIERLKKKMFENEFLLLNSPTIPFR IHNRNGKSYLFLSSDYERSEWREAIQKLQKKDLQAFVLSSVELQVLTGSCFKLRTVHNIPVTSNKDDDE SPGLYGFLHVIVHSAKGFQSANLYCTLEVD SFGYFVSKAKTRVFRDTEPKWDEEFEIELEGSQSLRIL CYEKCYDKTKVNKDNNEIVDKIMGKGQIQ LDPQTVESKNWHTDVIEMNGIKVEFSMKFTSRDMSLKRTPS KKQTGVFGVKISVVTKRERSKVPYIVRQCIEEVEKRGIEEVGIYRISGVATDIQALKAVFDANNKDILLM LSDMDINAIAGTLKLYFRELPEPLLDRLYP AFMEGIALSDPAAKENCMMLHLLRSLPDPNLITFLLEH LKRVAEKEPINKMSLHNLATVFGPTLLRPSEVESKAHLTSAADIWSDVMAQVQVLLYYLQHPPISFAEL KRNTLYFSTDV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	73.5 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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	109934
UniProt ID:	Q5SSL4
RefSeq Size:	4455
Cytogenetics:	11 45.92 cM
RefSeq ORF:	1923
Summary:	Protein with a unique structure having two opposing regulatory activities toward small GTP-binding proteins. The C-terminus is a GTPase-activating protein domain which stimulates GTP hydrolysis by RAC1, RAC2 and CDC42. Accelerates the intrinsic rate of GTP hydrolysis of RAC1 or CDC42, leading to down-regulation of the active GTP-bound form. The central Dbl homology (DH) domain functions as guanine nucleotide exchange factor (GEF) that modulates the GTPases CDC42, RHOA and RAC1. Promotes the conversion of CDC42, RHOA and RAC1 from the GDP-bound to the GTP-bound form (By similarity). Functions as an important negative regulator of neuronal RAC1 activity (PubMed:20962234). Regulates macrophage functions such as CSF-1 directed motility and phagocytosis through the modulation of RAC1 activity (PubMed:17116687).[UniProtKB/Swiss-Prot Function]