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Product datasheet for TP510222

Bbs7 (NM_027810) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Bardet-Biedl syndrome 7 (human) (Bbs7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210222 protein sequence Red=Cloning site Green=Tags(s) MDLTLSRADYLQVGVTSQKTMKLLPTSRQRATQKVVVGDQDGVVICFGVKKGEAVPVFKTLPGQKISRLE LGGAVNTPQEKIFIAAGSEIRGFTKRGKQFLSFETNLTESIKAMYISGSDLFLSASYIYNHYCDCKDQNY YLSGDKINDVICLPVEKLSRVTPVLACQDRVLRVLQGSDVMYEIEVPGPPTVLALHNGDGGDSGEGLLFG TSDGRLGLIQITTSKPIHKWEIRNDKKRGGILCVDSFDIMGDGVKDLLVGRDDGMVEVYSFENANEPVLR FDQMLSESVTSIQGGCVGKDGYDEIVLATYSGWVTGLTTEPTHKESGPGEELKLNQEMQNKISSLRSEIE HLQFKVLQERENYQQSSQSSQAKSTVPSFSINDKFTLNKEDASYSLVLEVRTAIDNVLIQSDVPIDLLDV DKNSAVVSFSSCDTESNDNFLLATYRCQANTTRLELKIRSIEGQYGTLQAYVTPRIQPKTCQVRQYHIKP LSLHQRTHFIDHDRPMNTLTLTGQFSFAEVHSWVVFCLPEVPEKPPAGECATFYFQNTFLDTQLECVYRK GEGVFKSDNISTISILKDVLSKEATKRKINLNISYEINEVSVKHTLKLIHPKLEYQLLLAKKVQLIDALK ELQVHEGNTDFLTPEYRCILEEADHLQEEYKKQPAHLERLYGMITDLFIDKFKFKGTNVKTKVPMLLEIL DSYDQNTLISFFDAA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	80.3 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.
RefSeq:	NP_082086
Locus ID:	71492
UniProt ID:	Q8K2G4
RefSeq Size:	2598
Cytogenetics:	3 B
RefSeq ORF:	2145
Synonyms:	8430406N16Rik
Summary:	The BBSome complex is thought to function as a coat complex required for sorting of specific membrane proteins to the primary cilia. The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to RAB3IP/Rabin8, the guanosyl exchange factor (GEF) for Rab8 and then the Rab8-GTP localizes to the cilium and promotes docking and fusion of carrier vesicles to the base of the ciliary membrane. The BBSome complex, together with the LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. Required for BBSome complex ciliary localization but not for the proper complex assembly (By similarity). [UniProtKB/Swiss-Prot Function]