

Recombinant Mouse Bbs9 Protein, Myc/DDK-tagged

Cat. No. Bbs9-1830M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Bardet-Biedl syndrome 9 (human) (Bbs9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>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. Required for proper BBSome complex assembly and its ciliary localization.</p>
Molecular Mass	98.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Bbs9 Bardet-Biedl syndrome 9 (human) [Mus musculus (house mouse)]
Official Symbol	Bbs9
Synonyms	Bbs9; Bardet-Biedl syndrome 9 (human); E130103I17Rik; protein PTHB1; EST 3159894; bardet-Biedl syndrome 9 protein homolog; parathyroid hormone-responsive B1 gene protein homolog
Gene ID	319845
mRNA Refseq	NM_178415
Protein Refseq	NP_848502
UniProt ID	Q811G0

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