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Product datasheet for TP307504M

BBS7 (NM_018190) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Bardet-Biedl syndrome 7 (BBS7), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207504 protein sequence Red=Cloning site Green=Tags(s) MDLILNRMDYLQVGVTSQKTMKLIPASRHRATQKVVIGDHDGVVMCFGMKKGEAAAVFKTLPGPKIARLE LGGVINTPQEKIFIAAASEIRGFTKRGKQFLSFETNLTESIKAMHISGSDLFLSASYIYNHYCDCKDQHY YLSGDKINDVICLPVERLSRITPVLACQDRVLRVLQGSDVMYAVEVPGPPTVLALHNGNGGDSGEDLLFG TSDGKLALIQITTSKPVRKWEIQNEKKRGGILCIDSFDIVGDGVKDLLVGRDDGMVEVYSFDNANEPVLR FDQMLSESVTSIQGGCVGKDSYDEIVVSTYSGWVTGLTTEPIHKESGPGEELKINQEMQNKISSLRNELE HLQYKVLQERENYQQSSQSSKAKSAVPSFGINDKFTLNKDDASYSLILEVQTAIDNVLIQSDVPIDLLDV DKNSAVVSFSSCDSESNDNFLLATYRCQADTTRLELKIRSIEGQYGTLQAYVTPRIQPKTCQVRQYHIKP LSLHQRTHFIDHDRPMNTLTLTGQFSFAEVHSWVVFCLPEVPEKPPAGECVTFYFQNTFLDTQLESTYRK GEGVFKSDNISTISILKDVLSKEATKRKINLNISYEINEVSVKHTLKLIHPKLEYQLLLAKKVQLIDALK ELQIHEGNTNFLIPEYHCILEEADHLQEEYKKQPAHLERLYG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	75.3 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.

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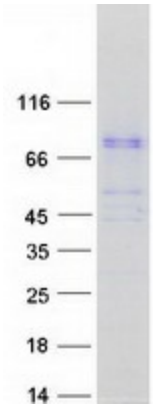
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_060660
Locus ID:	55212
UniProt ID:	Q8IWZ6
RefSeq Size:	2625
Cytogenetics:	4q27
RefSeq ORF:	2016
Synonyms:	BBS2L1
Summary:	This gene encodes one of eight proteins that form the BBSome complex containing BBS1, BBS2, BBS4, BBS5, BBS7, BBS8, BBS9 and BBIP10. The BBSome complex is believed to recruit Rab8(GTP) to the primary cilium and promote ciliogenesis. The BBSome complex assembly is mediated by a complex composed of three chaperonin-like BBS proteins (BBS6, BBS10, and BBS12) and CCT/TRiC family chaperonins. Mutations in this gene are implicated in Bardet-Biedl syndrome, a genetic disorder whose symptoms include obesity, retinal degeneration, polydactyly and nephropathy; however, mutations in this gene and the BBS8 gene are thought to play a minor role and mutations in chaperonin-like BBS genes are found to be a major contributor to disease development in a multiethnic Bardet-Biedl syndrome patient population. Two transcript variants encoding distinct isoforms have been identified for this gene.[provided by RefSeq, Oct 2014]

Product images:



Coomassie blue staining of purified BBS7 protein (Cat# [TP307504]). The protein was produced from HEK293T cells transfected with BBS7 cDNA clone (Cat# [RC207504]) using MegaTran 2.0 (Cat# [TT210002]).