

Product datasheet for **RC204337**

BBS2 (NM_031885) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BBS2 (NM_031885) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BBS2
Synonyms:	BBS; RP74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC204337 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

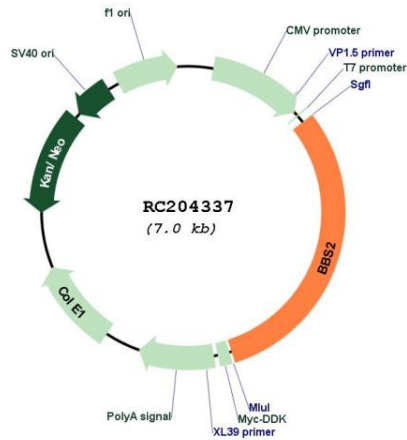
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GCC**CGGATCGCC**

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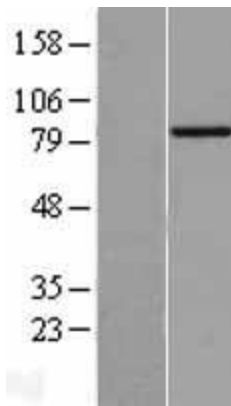
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_031885.5
RefSeq Size:	2814 bp
RefSeq ORF:	2166 bp
Locus ID:	583
UniProt ID:	Q9BXC9
Cytogenetics:	16q13
Domains:	FG-GAP
Protein Families:	Druggable Genome
MW:	79.9 kDa
Gene Summary:	<p>This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by severe pigmentary retinopathy, obesity, polydactyly, renal malformation and cognitive disability. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene forms a multiprotein BBSome complex with seven other BBS proteins.[provided by RefSeq, Oct 2014]</p>

Product images:



Circular map for RC204337



Western blot validation of overexpression lysate (Cat# [LY403124]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204337 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).