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Product datasheet for MC228404

Bbs12 (NM_001255992) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bbs12 (NM_001255992) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bbs12
Synonyms:	Gm407; Gm721; Gm1805
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC228404 representing NM_001255992
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGAAGGCTTGAACTCTTGCATTGAAGCAGTAGTTTCTCTTCAAGTACCCATACACAATGTATTTG
ACCACATGGACAACACAAGTACAGTTTACAAACTTGAAACAGTTAATGCCACTTTGTGTCCTTTTCTACA
AGACCCTTCAGGTTCTGGGTTGTTACAGGAAAAGCGTGATTTCAAAGATGCTACATCTCCGTTATTGTCC
ACTTACAGTCTTTCTGGGAGACATGCTGAGTCACCCAAATTCTTCAAACCTCAGAATAATCTTGAAACAG
AAAAAAACACATTGCAAGTTTTGAAAAACAATCTATATACAGATTCCTTCTGCAAAAAGTCAGCACTAGC
TCACAGTAGGCATTTTAATAGGACAGATAATAGCCACTGGATAAGCCGACATGATGGATTTCTAGAACAA
CTTGAATCAACTCCGAAAGTACTTAGATGTAATGATTTTGGGGAGTTAGCAGTTGGCTTGAGCCATGGAG
ATCACAGCAGCATGGCATTGGCCAAAGCAGCAGTGAGGTTGCAGTGGCAGAGTCTGTGTCTGCAGCAAGC
CAACTGGATGGCACCCTTTATGTTTGATATTTCAAGACTTCTCACTTGCTGTATTCCAGGTCTACCTGAA
ACTTTTTCCCGTGTTGGTCTAGGATATGTCACTTTTGTTACCATGTCTAGTATTACTCTTATCAAGGAAT
TGCAGGATCAGCCTTTCCGAGTGATTCTCATTGAGGGTGACCTCACAGAGAGTTACCGACACCTGGGATT
TAATAAGTCTGTAAATATTAAGACTAAGTTAGATAGTGGGGAGCTTTCAGAAGATAGTGCAGAAGAACTG
TGGACAAATCATGTGTTACAGGTGTTAATCCAGTTCAATGTGACCCTCATCTTGGTACAAGGAAGTGTAT
CAGAACACTTGACTGAAAAATGCATGCACAGTAAGCGGCTGGTAATTGGGGCAGTGAATGGCAGTGTGTT
GCAGGCATTTGCAGAGGCCACAAGAGCAGTGCCAGTAGCCTATGTTACACAAGTGAATGAAGACTGTGTA
GGCAGCGGGGTCTCTGTGACCTTCTGGATGAGTCCTCATGATATAAACAGGAGCAACAGAATAGCAATCT
TGTTAACAGCAGAAGGAATTAATTTGATTACAGCAGTACTTACTAGTCCAGCAAGTGCTCAGATGGAAAC
CAAGGAAGACAGGTTCTGGTCTTGTGTGTATCGTTTATATCATGCCCTAAAAGAAGAGAAGGTCTTCCTT
GGCGGTGGTGCTGTTGAATTTTTATGTCTTAGCCATCTTCAAATTCTTGCTGAGCAATCTTTAAATAGAG
GAAACCATGCTTGTTTAGGATGGCTTCCTGATTCTTCCTCTTGGATGGCCTCATCTCTGTCCGTCTACAG
ACCTACTGTGCTGAAGTCCCTGGCAGGTGGGTGGCATGAATTCCTGTCAGCTATCATGTGTAACACTGCC
ACTCACCCATCAGCAGTGGAAGCTAGGACATTCATTCAACAACATGTACAAAATGCCATTGACTCTGGCT
CCCCTTCATCTTACATCTTGAGTGAATATAGTAAACTAAGTAGTGGAGTTTTTCATTCAGGTATTTCAGA
TAACCTGGAGCTGGTTCCAAGAGTTTATGATACTGTTACACCAAAGATTGAAGCATGGCGCCGAGCATTG
GATGTAGTGCTCTTAGTGCTTCAGACAGACAGTGAAATAATTACTGGACTTGTACACACAGAGATGAATT
CACAGGAATTAGATGGAGTTTTATTTTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001255992

Insert Size: 1782 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	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_001255992.1, NP_001242921.1
RefSeq Size:	2347 bp
RefSeq ORF:	1782 bp
Locus ID:	241950
Cytogenetics:	3 B
Gene Summary:	Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis. As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Involved in adipogenic differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has an alternate splice site, which results in a downstream AUG start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.