

Product datasheet for **RR207755**

lbsp (NM_012587) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	lbsp (NM_012587) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	lbsp
Synonyms:	Bsp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207755 representing NM_012587 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGACTGCTTAATCTTGCTCTGCATTTTGGGGATGGCGAGTGCTTTCTCGATGAAAAATTTCCATA
GAAGAATCAAAGCAGAGGATTCTGAAGAAAACGGGTCTTTAAGTACCGCCACGCTACTTTCTTTATAA
GCATGCCTACTTTTATCCTCCTCTGAAACGGTTTCCAGTCCAGGGAGGCAGCGACTCTTCGAAGAAAAAT
GGAGATGGCGATAGTTCCGAGGAGGAGGGGAGGAAGAGGAGACTTCAAATGAAGAGGAAAAACAACGAAG
ACTCTGAGGGGAATGAAGACCAGGAGGGCGAGGAGAGAACGCCACACTCTCAGGGTAACCGCTAGCTA
CGGGGTAGAGACCACAGCTGACGCTGAAAAGTTGGAGTTAGTGCCTCCAGCTACCCAAGAAGGCTGGA
GATGCAGAGGGCAAGGCTCCAAAAATGAAGGAAAGCGACGAGGAAGAGGAAGAGGAGGGAAGAAA
ACGAGAACGAAGAAGCAGAAGTGGATGAAAATGAGCAGGTCGTAACGGCACCAGCACCAACTCCACGGA
GGTGGACGGGGGAATGGCCCCAGCGGAGGAGACAACGGAGAAGAAGCCGAGGAGCAAGCGTCACTGAA
GCAGGTGCAGAAGGAACAACAGCAGGGGCCAGGGAGCTGACCAGTTATGGCACCACGACAGCTGTCTTC
TGAACGGGTTTTCAGCAGACGACCCCGCCACCCGAAGCCTATGGGACCACCTCCCCACGCCAGAAAGAG
CAGCACGGTTGAGTATGGGGAAGAATACGAACAATAGGCAACGAGTACAACACTGCGGTATGAAACCTAT
GACGAGAACAACGGGAGCCTCGCGGGACACTTACCGAGCTTATGAGGACGAATACAGCTACTACAAGG
GGCATGGCTATGAAGGCTACGAGGGTCAGGATTATTACTACCACCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207755 representing NM_012587
 Red=Cloning site Green=Tags(s)

MKTALILLCILGMASAFSMKNFHRIKAEDSEENGVFKYRPRYFLYKHAYFYPPLKRFPPVQGGSDSSEEN
 GDGDSSEEEGEEEEETSNEEENEDSEGNEDQEAENATLSGVTASYGVETTADAGKLELAALQLPKKAG
 DAEGKAPKMKESDEEEEEEEEEENEEAEVDENEQVNGTSTNSTEVDGGNGPSGGDNGEEAAEASVTE
 AGAEGTTAGARELTSYGTTTAVLLNGFQQTPPPEAYGTTSPARKSSTVEYGEEYEQIGNEYNTAYETY
 DENNGEPRGDTYRAYEDEYSYKGGHGYEGYEGQDYHHQ

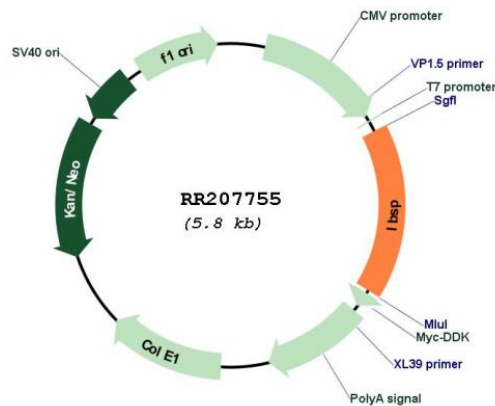
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012587

ORF Size: 957 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_012587.2 , NP_036719.2
RefSeq Size:	1948 bp
RefSeq ORF:	960 bp
Locus ID:	24477
Cytogenetics:	14p22
MW:	35.1 kDa
Gene Summary:	extracellular matrix protein that binds hydroxyapatite; involved in bone formation [RGD, Feb 2006]