

Product datasheet for SC317637

BSPRY (NM_017688) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BSPRY (NM_017688) Human Untagged Clone
Tag:	Tag Free
Symbol:	BSPRY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317637 representing NM_017688. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCGCCGAGGGCGCGGAGCCGGGGCCGGGGTCCGGGTCCGGGCCCGGGCCGGGGCCACTCTGCCCC
GAACACGCCAGGCTCTGAGCTGGTTCTGCGGCTCCGAGCGACGGCCCGTGTGCGCCGCCTGCGCGGGG
TTGGGCGGTGCTGCGGGGGCACCGCATCCGCCGGGCGGAGGAGCGCCGAGGAGCTGCGGAACAAG
ATTGTGGACAGTGTGAGAGGCTGCAGTTACAGAGTGTGCCATCACCAGTATGTGGCGGACGTCCTG
CCGGGGAAGAATCAAAGAGCAGTGAGCATGGCCAGTGCAGCGAGGGAAGTGGTTATCCAGCGTTGAGT
CTGGTGAGGAGTCTTTGCGAGAGCGAGGAGCAGCGTTACTGGAACAGGTGCATGGCGAAGAGGAGCGG
GCCACACAGAGCATCCTGACACAGCGGGTGCAGTGGGCCGAGGCGCTGCAGAACTTGACACCATCCGC
ACTGGCCTGGTGGGCATGCTTACTCACCTGGATGACCTCCAGCTGATTTCAGAAAGGAGCAAGAGATTTTC
GAGAGGACCGAAGAAGCAGAGGGCATTTTGGATCCCCAGGAGTCGAAATGTTAACTTTAATGAGAAG
TGCACTCGGAGCCCACTACTGACCCAACTCTGGGCAACGCGGTTCTTGGGTCTCTCAGGCACAGAG
GACATACGGATCGATGAGAGGACAGTCAGCCCTTCTGCAATTGTGAGATGATCGAAAGACCTGACC
TTCAGCACCAAGAAGTCAAAGGCCTGTGCAGATGGCCCGAGCGCTTCGACCACTGGCCCAATGCCCTG
GCTGCCACCTCCTTCCAGAATGGGCTCCATGCCTGGATGGTGAATGTCCAGAACAGTTGTGCTATAAG
GTGGGCGTGGCTTCAGGCCACCTGCCCCGCAAGGTTCTGGCAGTGAAGTCCGCTCTGGGCCACAATGCC
TTCTCCTGGGTCTTCTCTGCTATGATCAGGAGTTTCGTTTCTCACACAATGGGCAGCAGAGCCCTG
GGGCTGCTGCGGGGCCAGCCAGCTGGGTGTAGTGTGCTGGAAGTTCAGAGTTCAGGAGCTGCTCTTCTAT
GAGCCAGCCTCCGGCACAGTGTCTGTGCCCATCATGTGCTCTTCCCGGGGCCCTCTTCCAGTCTTT
GCTGTGGCCGATCAGACCATTTCTATCGTCCGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_017688



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Insert Size:	1209 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_017688.2</u>
RefSeq Size:	2354 bp
RefSeq ORF:	1209 bp
Locus ID:	54836
UniProt ID:	<u>Q5W0U4</u>
Cytogenetics:	9q32
Domains:	SPRY, PRY
Protein Families:	Druggable Genome
MW:	44.4 kDa
Gene Summary:	May regulate epithelial calcium transport by inhibiting TRPV5 activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.