

## Product datasheet for **SC120755**

### Hsp20 (HSPB6) (NM\_144617) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hsp20 (HSPB6) (NM_144617) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hsp20
Synonyms:	HEL55; Hsp20; PPP1R91
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120755 sequence for NM_144617 edited (data generated by NextGen Sequencing)

```
ATGGAGATCCCTGTGCCTGTGCAGCCGTCTTGGCTGCGCCGCGCCTCGGCCCGTTGCC  
GGACTTTTCGGCGCCCGGACGCCTCTTTGACCAGCGCTTCGGCGAGGGGCTGCTGGAGGCC  
GAGCTGGCTGCGCTCTGCCCCACCACGCTCGCCCCCTACTACCTGCGCGCACCCAGCGTG  
GCGCTGCCCGTCGCCAGGTGCCGACGGACCCCGCCACTTTTCGGTGCTGCTAGACGTG  
AAGCACTTCTCGCCGGAGGAAATTGCTGTCAAGGTGGTGGGCGAACACGTGGAGGTGCAC  
GCGCGCCACGAGGAGCGCCGGATGAGCACGGATTCGTCGCGCGGAGTCCACCGTCGC  
TACCGCTGCCGCTGGCGTGGATCCGGCTGCCGTGACGTCCGCGCTGTCCCCGAGGGC  
GTCCTGTCCATCCAGGCCGACACGCGTCGGCCAGGCCACCAGCCAGCCGAGCCAAG  
TAG
```

Clone variation with respect to NM\_144617.1



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_144617 unedited  
 GGGGTCAACATTTGTATACGACTCATATAGGCGGCNCGGATTCGGCACGAGGGCAGGAT  
 GGAGATCCCTGTGCCTGTGCAGCCGCTTTGGCTGCGCCGCGCCTCGGCCCGTTGCCCGG  
 ACTTTTCGGCGCCCCGACGCCTCTTTGACCAGCGCTTCGGCGAGGGGCTGCTGGAGGCCGA  
 GCTGGCTGCGCTCTGCCCCACCACGCTCGCCCCCTACTACCTGCGCGCACCCAGCGTGGC  
 GCTGCCCGTCGCCCAGGTGCCGACGACCCCGGCCACTTTTCGGTGTCTAGACGTGAA  
 GGACTTCTCGCCGGAGGAAATTGCTGTCAAGGTGGTGGGCGAACACGTGGAGGTGCACGC  
 GCGCCACGAGGAGCGCCCGGATGAGCACGGATTGTCGCGCGCGAGTTCCACCGTCGCTA  
 CCGCCTGCCGCCTGGCGTGGATCCGCTGCCGTGACGTCCGCGCTGTCCCCGAGGGCGT  
 CCTGTCCATCCAGGCCGACCAGCGTCGGCCAGGCCACCAGCCAGCCGAGCCAGCCAAAGTA  
 GGAGGGGGGCTGGGCCGCGCCCGACCCCGGGAGCCTCCTCAGGCTCCCTCTATTAAGC  
 CGATCTGACTCCGCCAGCCAGATGTCCCGAGTGCCCAAGGACTGTCTCTCACCCTACT  
 CCTGGATTCTGCCCTGACCTCCATCCTGGACACTGCCTTGATAACATAGACCCTTCCACT  
 GACACCCTCGCTCTCACACCNCNCAAGCTTTCCGACCCACACCGACAACCTNCCCGGCT  
 TCCAGACCCTACCAGCACTACCCTAACCCCTCAGCCGACAGTCTCAGCCCCACCGACCCAC  
 TTTCTTGGCATATAGCCCCACTTAAGACCCTNCTACTTNCTTCTGAGTCTCTACAAG  
 ACATCCGGGTACTACATTCCA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_144617 unedited  
 GTTTGTTATGNACGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTCAGAGCT  
 CTAGCACATTTATTGGGAGAGTAAGCCTGGGGAAGACTAAGGGAGTGGTGGCAGGGAGAA  
 AGGCTGTGGGGAATCAGAGCGGGTGTCTAGTTGGGTCTTGAAGGAGAAAAGGAGGAGGT  
 GGGAGGTGGGTTGCCGAGGATATCTGGTTGAAGACTTGGGGTCAAGACAAAGGGACTTA  
 GGGGATGGGCTGTGTTAGAGTTGGGAGGGGGCCTATGACATCCGTGCAAAGTCTGGG  
 GAGGTTGGGGTGGGAGAGTCTGTACAGTTTGGTGTGGGTGTTCTAGTTGGCCTGGTGT  
 CAAGAGTTGGGCGAGTCGAAAAGGGTTCAGAGTCTGGTGTGGCTGGCTGGGGTTTCAC  
 GGCAGAAAATGGGCTGGAGGGGGCAGTTGTAGACTGTCTGGTGCAGGGGAAGGATCGGG  
 TCTTGGGAACCAGGCCTGGATGGTCTGGAGTGGGAGGTCTGTGCANTCCAGGACGTTTGG  
 GGGGTGGGGGATTGNGCCTGACTGGCTGGGGTGGGGGAGGGCTGCCTNCCCCNTANT  
 TTGGTGTCCNNTTNNGGCNGGGTGNAAATGTTTTCCCCCGTTGTCTTTTTNCAAGCCCT  
 CNNANGGAATCCAAGAGGGGTCTTAAATGGGGCCTATCTGCCAAAAAACTGGTTNNNT  
 GCGGCTTTAAACTTGTCCCTGAAGTTATCGCTACCGCTCGTTAGGNCCCCGGACCCCC  
 GGGAAATTTTTCCGCTGGGGCCNNAACCCTNTTGCAGCTTTATTACCCCGTTTTTCC  
 NTCCAAAGTCCCTTTTTCCCCCCCGCCCGTCCACTCCTGNATNCCNCGCCNACTCCA  
 CCCATTGCCATTACGACCCCTCCG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_144617

**Insert Size:**

1500 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).

**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\\_144617.1](#), [NP\\_653218.1](#)

**RefSeq Size:** 1457 bp

**RefSeq ORF:** 483 bp

**Locus ID:** 126393

**UniProt ID:** [O14558](#)

**Cytogenetics:** 19q13.12

**Domains:** HSP20

**Gene Summary:** This locus encodes a heat shock protein. The encoded protein likely plays a role in smooth muscle relaxation. [provided by RefSeq, Jan 2012]