

Product datasheet for **RC238014**

HSPBP1 (NM_001297600) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSPBP1 (NM_001297600) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: HSPBP1
Synonyms: FES1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC238014 representing NM_001297600
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGGTGCGCGAGCTCCCCTGAAACGCCGCTTCTCAGCAGACCCTCAAGAATCGACCCATCAGGAC
GCCAGAGCTGCTTCAGCGGTGACCACCTTCTCCCTCTAACACATTCTCCCTTCTCACAAACGGCCCAT
GTCAGACGAAGGCTCAAGGGGGAGCCGCTGCCCTGGCGCTGCCCGGCTCCAGGGTTGCTCTTCA
GGGGCGGCGCGCGGCTCCTCGGCTGGGGGCTCGGGCAATCCCGGCCCCACGCAACCTCCAAGGCT
TGCTGCAGATGGCCATCACCGCGGGCTCTGAAGAGCCAGACCCTCCTCCAGAACCATGAGTGAGGAGAG
GCGTCAGTGGCTGCAGGAGGCCATGTGGCTGCCTCCGAGGCCAGCGGGAGGAGGTGGAGCAGATGAAG
AGCTGCCTCCGAGTGCTGTACAGCCCATGCCCCCACTGCTGGGGAGGCCGAGCAGGCGGCCGACCAGC
AAGAGCGAGAGGGGGCCCTGGAGCTGCTGGCCGACCTGTGTGAGAATGGACAATGCCGCAGACTTCTG
CCAGCTGTCTGGCATGCACCTGCTGGTGGCCGGTACCTGGAGGCCGGGGCTGCGGGACTGCGGTGGCGG
GCGGCACAGCTCATCGGCACGTGCAGTCAGAACGTGCCAGCCATCCAGGAGCAGGTGCTGGCCCTGGGTG
CCCTGCGTAAGCTGCTGCGGCTGCTGGACCGCAGCCTGCGACACGGTGCAGCTCAAGGCCCTCTTCG
CATCTCTGTCTGGTCCGAGAGCAGGAGGCTGGGCTGCTGCAGTTCCTCCGCTGGACGGCTTCTCTGTG
TTGATGAGGGCCATGCAGCAGCAGGTGCAGAAGCTCAAGGTCAAATCAGCATTCTGCTGCAGAACCTGC
TGGTGGGCCACCTGAACACAAAGGGACCCTGTGCTCCATGGGGATGGTCCAGCAGCTGGTGGCCCTGGT
GCGGACAGAGCACAGCCCTTCCACGAGCAGTGTGGAGCCCTGTGCAGCCTGGTGCAGACTTCCG
CAGGGTGTGCGGAGTGTGGGAGCCGGAAGTGGGCTGGAGGAGCTCCTCCGCCACCGTGTGCAGTGC
TGCAGCAGCATGAGGAGTACCAGGAGGAGCTGGAGTCTGTGAAAAGCTGCTACAGACCTGTTTCTCCAG
CCCAGCGGACGACAGCATGGATCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238014 representing NM_001297600
 Red=Cloning site Green=Tags(s)

MGRRAPLKRLLSRPSRIDPSGRQSCFSGDHLLPLTHSSLLHKRPMSEDESGRSRLPLALPPASQGCSS
 GGGGGSSAGGSGNSRPPRNQLLQMAITAGSEEDPPPPEMSEERRQWLQEAMSAFRGQREEVEQMK
 SCLRVL SQMPPTAGEAEQAADQQEREGALELLADLCENMDNAADF CQLSGMHLLVGRYLEAGAAGLRWR
 AAQLIGTCSQNVAIQEQVLGLGALRKLLRLDRDACDTRVRKALFAISCLVREQEAGLLQFLRLDGF SV
 LMRAMQQVQKLVKSAFLLQNLVGHPEHKGLCSMGMVQQLVALVRTEHSPFHEHVLGALCSLVTDFP
 QGVRECREPELGLLELLRHRCQLLQQHEEYQEELEFCEKLLQTCFSSPADDSDMR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

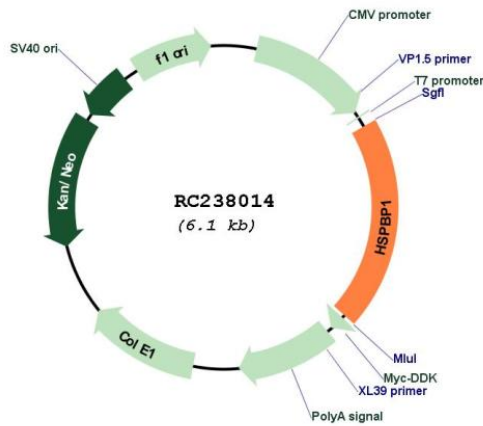
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001297600

ORF Size:	1215 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_001297600.2
RefSeq Size:	1715 bp
RefSeq ORF:	1218 bp
Locus ID:	23640
UniProt ID:	Q9NZL4
Cytogenetics:	19q13.42
MW:	44.9 kDa
Gene Summary:	Inhibits HSPA1A chaperone activity by changing the conformation of the ATP-binding domain of HSPA1A and interfering with ATP binding. Interferes with ubiquitination mediated by STUB1 and inhibits chaperone-assisted degradation of immature CFTR.[UniProtKB/Swiss-Prot Function]