

Product datasheet for RC201814

HSPBP1 (NM_012267) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPBP1 (NM_012267) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSPBP1
Synonyms:	FES1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201814 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGTCAGACGAAGGCTCAAGGGGGAGCCGCTGCCCTGGCGCTGCCCCGGCCTCCAGGGTTGCTCTT
CAGGGGGCGGGCGGGCGGCTCCTCGGCTGGGGGCTCGGGCAATCCCGGCCCCACGCAACCTCCAAGG
CTTGCTGCAGATGGCCATCACCGCGGGCTGAAGAGCCAGACCCTCCTCCAGAACCGATGAGTGAGGAG
AGGCGTCAGTGGCTGCAGGAGGCCATGTCGGCTGCCTTCCGAGGCCAGCGGGAGGAGGTGGAGCAGATGA
AGAGCTGCCTCCGAGTGTGTACAGCCCATGCCCCCACTGCTGGGGAGGCCGAGCAGGCGGCCGACCA
GCAAGAGCGAGAGGGGGCCCTGGAGTGTGCGCCGACCTGTGTGAGAACATGGACAATGCCCGAGACTTC
TGCCAGCTGTCTGGCATGCACCTGCTGGTGGGCCGGTACCTGGAGGCGGGGGCTGCGGGACTGCGGTGGC
GGGCGGCACAGCTCATCGGCACGTGCAGTCAAGCTGGCAGCCATCCAGGAGCAGGTGCTGGGCTGGG
TGCCCTGCGTAAGCTGCTGCGGCTGCTGGACCGGACGCTGCGACACGGTGCAGCGTCAAGGCCCTTTC
GCCATCTCCTGTCTGGTCCGAGAGCAGGAGGCTGGGCTGCTGCAGTTCCTCCGCTGGACGGTTCTCTG
TGTTGATGAGGGCCATGCAGCAGCAGGTGCAGAAGCTCAAGGTCAAATCAGCATTCTGCTGCAGAACCT
GCTGGTGGGCCACCCTGAACACAAAGGGACCCTGTGCTCCATGGGGATGGTCCAGCAGCTGGTGGCCCTG
GTGCGGACAGACAGCCCTTCCACGAGCACGTGCTTGGAGCCCTGTGCAGCCTGGTGCAGACATTTCC
CGCAGGGTGTGCGCGAGTGTGGGAGCCGGAACCTGGGCCTGGAGGAGCTCCTCCGCCACCCTGTACAGT
GCTGCAGCAGCATGAGGAGTACCAGGAGGAGCTGGAGTCTGTGAAAAGCTGCTACAGACCTGTTTCTCC
AGCCAGCGGACGACAGCATGGATCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_012267.5](#)

RefSeq Size: 1925 bp

RefSeq ORF: 1080 bp

Locus ID: 23640

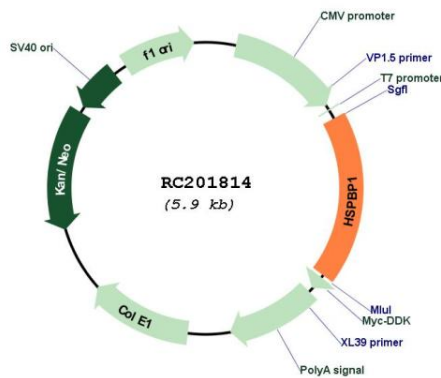
UniProt ID: [Q9NZL4](#)

Cytogenetics: 19q13.42

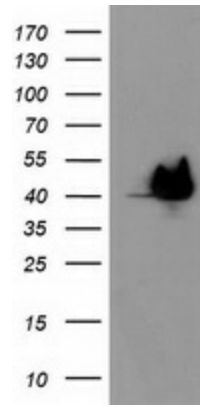
MW: 39.3 kDa

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]

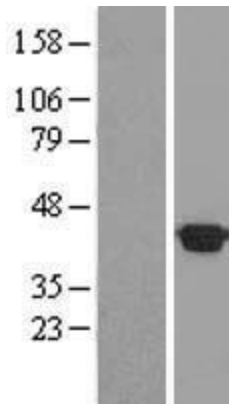
Product images:



Circular map for RC201814



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HSPBP1 (Cat# RC201814, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSPBP1(Cat# [TA503467]). Positive lysates [LY415871] (100ug) and [LC415871] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY427167]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC225535] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).