

Product datasheet for **RC205200**

HSFX1 (NM_016153) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSFX1 (NM_016153) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSFX1
Synonyms:	LW-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC205200 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGACAAGCGATCATTGAGTATGGCTCGCTGTGAAGAAAGAAATTCGAGGGGACAGGATCATGGCT
 TGGAAAGGGTGCCCTTCCCTCCCAAGTTGCAGTCAGAGACCTACCTTCACCCAGCAGATCCTTCCCTGC
 CTGGGACGACCCGGGTCCACTGGGAGCCCTAAGTTGAGGCTGCTGACAGAAGAAATCGCTTCCAACT
 CTGGCCGAGGAAGCTTCGTTTCAAGAGCGCACCTGACGGTGACGTCCCGCCAGGGAGAAGATAATC
 TCCTCTCCCTCCCTTCCACAGAACTGTGGAGACTGGTCAGCAGCAACCAAGTTTTCGTCCATCTGGT
 GGATGACAGTGGGGCTTAGAGTGATCAATCAAAACTCTTTGAAAAGGAGATTCTCAAAGGGACGTC
 GCACACAAAGTGTGGCACAATTCGATAAAGAGCTTCTCCGCCAGCTAAACTGTATGGCTCCGAA
 AACGGCGTCAATGCACTTTCAGGACCTTACCCGCATTTCTCCGCAAAAAGGCTGGTCTCCATCTTGAA
 TAAGTTAGAGTCTACTGCCATCTTACTTTCAAAGAGACTCCCTCACCTCCTCGTGGATGAAGAGA
 AGAGTGGGTGTCAAGTCTGCACCAAGACATCAGGAGGAGGACAAGCCAGAAGCTGCTGGATCCTGTCTGG
 CACCAGCAGACTGAGCAACAAGATCACACGTCTCCGAATGAGAATGACCAGGTACACCGCAACACCG
 GGAACCGGCCGGTCCCAACCCAAATCAGGAGTGGCTCTGCTCCACAGCAACTCCTGTGATGGTGCT
 GATTCCGCCGTGGCGAGTGACAACAGTCCAGTGACCCAGCCGGCCGGCGAGTGGTCAGAGGGCAGCCAGG
 CTCACGTCACTCCGGTGGCCGTGTCCCTGGGCCGTGCAGCGCTGCCCTTCTCTATGTCCCTGGATCTCC
 CACTCAGATGAATTCTACGGGCTGTGGTGGCCCTTCCACAGCGTCCCGTAGTACCCTTGCCATGGAC
 ACCACAGGACTTCTGCACCTGGCATGCTGCCCTTTTCCCATCTCTGGGTACCGGTGACCCTAGTGGCTG
 CTGGGGCTGCACAGCCTGCTGCCCTCCATGGTCATGTTCCCCATCTCCAGCTCTGCACCACCATTGCCC
 CCACAGCCACCGACGTACAGTACATGCCAGCTAGCGATGGGCCCCAGGCGTACCCAGACTACGCAGAC
 CAGAGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205200 protein sequence
 Red=Cloning site Green=Tags(s)

MEDKRSLSMARCEERNSRGQDHGLERVFPFPQLQSETYLHPADPSPAWDDPGSTGSPNLRLLTEEIAFQP
 LAEEASFRRPHPDGDVPPQGEDNLLSLPFPQKLWRLVSSNQFSSIWWDDSGACRVINQKLFKEILKRDV
 AHKVFATTSIKSFRRQLNLYGFRKRRQCTFRFTFRIFSAKRLVSLNKLIFYCHPYFQRDSPHLLVRMKR
 RVGVKSAPRHQEEKPEAAGSCLAPADTEQQDHTSPNENDQVTPQHREPAGPNTQIRSGSAPPATPVMVP
 DSAVASDNSPVTQPAGWSEGSQAHVTPVAAPVGPAAALPFLYVPGSPTQMNSYGPVVALPTASRSTLAMD
 TTGLPAPGMLPFCHLWVPVTLVAAGAAQPAASVMFPHLPALHHHCPHSHRTSQYMPASDGPQAYPDYAD
 QST

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk6314_a10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_016153

ORF Size: 1269 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016153.3](#)

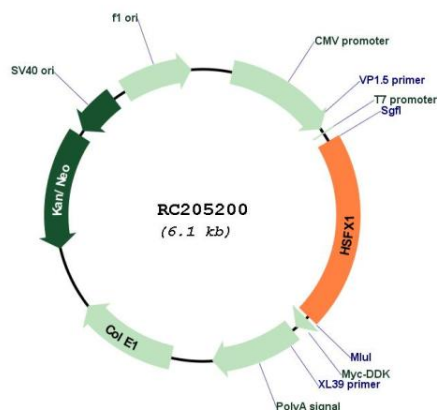
RefSeq Size: 1955 bp

RefSeq ORF: 1272 bp

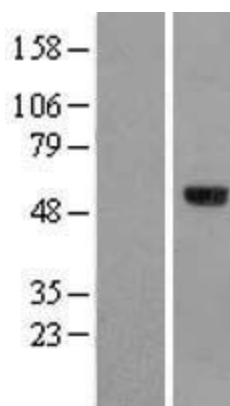
Locus ID: 100506164

UniProt ID: [Q9UBD0](#)
 Cytogenetics: Xq28
 Domains: HSF
 MW: 46.7 kDa

Product images:



Circular map for RC205200



Western blot validation of overexpression lysate (Cat# [LY414148]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205200 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).