

Product datasheet for **MR219642**

Zfp600 (NM_001177545) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp600 (NM_001177545) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp600
Synonyms:	Gm13164; OTTMUSG00000010694
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219642 representing NM_001177545, **codon optimized**.
Due to the complexity of NM_001177545, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTGCGCCACACCAGGAGTCTGGCCGAAGGACTACAAAACGAATGAGTGCCTCTCTGGAGAACACTG
 CTCAATGCCTCCTTACCTTCAAGGATGTTTTCTTGACTTCAGCTCAGAGGAGTGGGAGTGCCTCAACTT
 CGCCCAACGAACTCTGTACATGGATGTGATGCTGGAGAATTATAATAACCTGCTGTTTCGTCGAAAACCC
 TGTATCTGTGGTAATTATGAGAAAGAAAAGGTGCTGGAGCAGGAGACTCAGCATATTGTGAACGAGCAGC
 GACATAATAGAAAGAAGTCTTCCAAATGTAAACGAGGTACGCAATGTTATCCACGAAAGCTCTGAGTCAAC
 ACCATATAACACCAATCACCGAGATGCCACTCTGCAAAGCTCCAAGTGAAGCGGCACAAGACAGGCACC
 ACGAAAGGGGTGTGCACTTATAAGGACTGTGTGAATTGCCTGAAGGGATCCAGTATTATCAGTCTCAACC
 AAGGCACCCACATCGAAAAGAAGGAACAATAGAAATAAGAACCTGGACGAGGTGCTCGTTAGTCGACA
 GAACAACAGCGAAATGAACACTTACACATGCGGGGAATTCGATAAATGCTTCACACAGTCAGACAACCTT
 CAGTCTCAACAGAGAATTTACCTGGCAAAAAGAGCTATATCTACAGCGAAAGCGATAAAGTCTTACCC
 AGCCTAGCCATCTTTCCATCCACCACACTATCCACAGCGGTGAAAAGCCATACAAGTGCAGCGAGTGTGA
 TAAGTGCCTTACAGACAAGTCACTCTGCGCAAACATCAGAGAATCCACACCGGCGAGAAACCGTATAAG
 TGCTCCGAGTGTGATAAGTGTTCACCGACAAGTGTACCCTGCGCAAGCATCAGCGAATCCACACCGGCG
 AAAAGCCTTACAATGTAAACGAATGTGATAAATGCTTTACTGATAAGGGTCACTGAGGGTTCACCAGAG
 GATTACACAGGAGAGAAGCCTTATAAGTGTTCAGAATGCGACAAGTGTTCACAGCCAAAGCCATCTG
 TCCATCCACAGGAGGATCCACTCCGGTGAAGCCTTACAAGTGTTCGAATGCGACAAGTGTTCACAG
 ACAAGTGCACATTGAGGAAACATCAGCGGATCCATACGGGAGAGAAACCTTATAAGTGCAGTGAATGTGA
 TAAATGCTTCACCGAGAAGTTCCTTTGCGAAAGCATCAACGCATCCACACAGGGGAAAAACCTTATAAG
 TGTAATGAATGTGATAAGTGTTCACAGACAAGGGTAGTTTGAGGGTCCACCAACGAATCCACACCGGCG
 AGAAGCCTTACAAGTGCAGTGTGACAAATGCTTTACTAAGCCATCTCATCTCAGTATCCACCGCCG
 AATTCACTCTGGCGAAAAGCCATACAAGTGTCTGAATGTGATAAATGTTTCACTCAACCTTCCCCACTG
 TCTATCCATCGCCGATCCATAGCGGGGAAAAACCATACAAGTGTTCGAGTGTGATAAATGTTTACCG
 ATAAAGGTAGCCTTAGAGTGCACCAGCGCATTACATCGGAGAGAAACCATATAAATGTAGCGAGTGC
 TAAGTGTTCCTACTCAGCCATCCCATCTGTCTATTCACTGCCGGATCCATTCCGGAGAGAAACCTTATAAG
 TGCAGTGAATGTGACAAATGCTTCACAGACAAGAGCAGCTCCGCGTTCATCAGCGGATCCATACAGGTG
 AGAAACCATATCAGTGTCTGAATGCGACAAATGTTTCACAGATAAAGGCAGTCTGAGGGTTCATACCCG
 GATACACGCCGGCGAGAAGCCTTACAAGTGTCTCAGAGTGGGTAAGTGTTCGAGTGAATAAATGCTTCACTC
 AGAGTGCATTATCGGATCCACGCCGAGAAAAGCCATACAATGTTTCAGAGTGGGATAAATGCTTCACTC
 ATAAGGGCTCCCTGAGGGTGCACCACCGAATTCATACTGGTAAAAACCATATAAATGTTCTGAATGTGA
 CAAGTGTTCACGGAAGAGCCATCTCAGCATTATCAGCGCATCCATACAGGTGAGAAGCTGTACAAA
 TGCAACGAGTGCACAAGTGTTCAGTATAAGCATAGCCTCCGCGCCCAACGAATACACACTGGAG
 AGACACCTTACAAGTGAACGAATGTGACAAGTGTTCACA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219642 representing NM_001177545
 Red=Cloning site Green=Tags(s)

MFAPHQESGRRTTKRMSASLENTAQCLLTFKDFVLFDSSEWECLNFAQRTL YMDVMLENYNNLLFVENH
 CICGNYEKEKVL EQETQHIVNEHGHNRKSSKCNVVRNVIHESSESTPYNTNHRDATLQSSNLKRHKGTG
 TKGVCTYKDCVNCLKGSSIIISLNQGTHIEKKEHNRNKNLDEVLVSRQNNSEMNTYTCGEFDKCFQSDNL
 QSQQRIYPGKKS YIYSESDKCF TQPSHL SIHHTIHSGEKPYKCECDKCF TDKCTLRKHQRIHTGEKPYK
 CSECDKCF TDKCTLRKHQRIHTGEKPYKCECDKCF TDKGLSLRVHQRIHTGEKPYKCECDKCF TQPSHL
 SIHRRIHSGEKPYKCECDKCF TDKCTLRKHQRIHTGEKPYKCECDKCF TEKFTLRKHQRIHTGEKPYK
 CNECDKCF TDKGLSLRVHQRIHTGEKPYKCECDKCF TKPSHL SIHRRIHSGEKPYKCECDKCF TQPSPL
 SIHRRIHSGEKPYKCECDKCF TDKGLSLRVHQRIHIGEKPYKCECDKCF TQPSHL SIHCRIHSGEKPYK
 CSECDKCF TDKSSLRVHQRIHTGEKPYQCSECDKCF TDKGLSLRVHHRIHAGEKPYKCECGKCF TDKGYL
 RVHYRIHAGEKPYKCECDKCF THKGLSLRVHHRIHAGEKPYKCECDKCF TRKSHLSIHQRIHTGEKLYK
 CNECDKCF SDKHSLRRHQRIHTGETPYKCECDKCF T

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

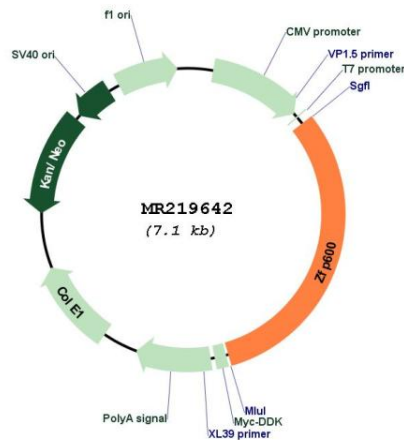
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001177545
ORF Size:	2211 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:	<u>NM_001177545.1</u> , <u>NM_001177545.2</u> , <u>NP_001171016.1</u>
RefSeq Size:	4155 bp
RefSeq ORF:	2214 bp
Locus ID:	667666
Cytogenetics:	4
MW:	86.2 kDa

Product images:


Circular map for MR219642