

Product datasheet for **MR216769**

Zfp580 (NM_026900) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Zfp580
Synonyms:	1500015O20Rik; AI838225; Znf580
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR216769 representing NM_026900
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCTGCTGCCGCCGCGGCCACCCACCCTCGGTCTCTCTCCGGAGGTATGGACCCACCGCCCC
CCAAGACTCCCCCTTTTCCCAAGGCGGAAGGCCCTCTCCACTTCTTCTCGGTGGCGGGGCCGCGGCC
ACCGCGGTGGGCCGCCATCTGCTCATCGACGCCAACGGGTCCCCTACACGTACACGGTGCAGCTGGAG
GAGGAACCTCGGGGCCCGCGCAGCGCAGGCGACCCGGGAGAGCCAGGTCTCGCAAGGGCTATAGCT
GCCCAGAGTGCCTGCTGTTTGCAGCCCTCTGCGGCTGCAGAGCCACCGTGTGTCGCACTCGGACCT
CAAGCCCTTACTTGTGGTGCTTGTGGCAAAGCTTTCAAGCGATCCAGCCACCTGTGCGGGACCGCGCC
ACCCACCGTGCCTGCTGTTCCACCTCACACCTGCCGCTCTGTCCACGCCGCTTCCAGGACGCCGCGG
AGCTGGCGCAGCACGTGCGCTGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9051_h07.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_026900

ORF Size: 516 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:

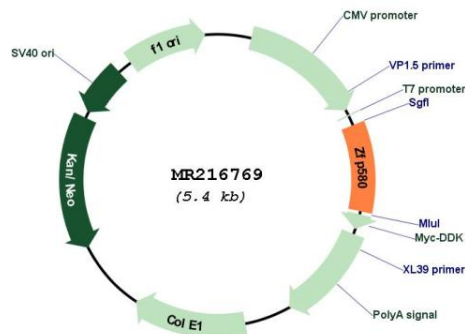
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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:	<u>NM_026900.1, NP_081176.1</u>
RefSeq Size:	1119 bp
RefSeq ORF:	519 bp
Locus ID:	68992
UniProt ID:	<u>Q9DB38</u>
Cytogenetics:	7 A1

MW: 19.3 kDa

Gene Summary: Involved in the regulation of endothelial cell proliferation and migration. Mediates H₂O₂-induced leukocyte chemotaxis by elevating interleukin-8 production and may play a role in inflammation. May be involved in transcriptional regulation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216769