

Product datasheet for **MG202582**

Zfand6 (NM_022985) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Zfand6
Synonyms: 3110005P07Rik; Awpl; Za20d3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202582 representing NM_022985
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCAAGAACTAATCACAGCCAAGCACCTATGCTTTGCTCCACTGGCTGCGGATTTTATGAAACC
CTCGTACAATGGCATGTGTTCAAGTATGCTATAAAGAATCTTCAAAGACAGAACAGTAGCAATGGTAG
AATAAGCCACCTGCAGCTTCTGTCAGCAGTCTGTCTGAATCCTTACCAGTACAGTGCAGATGGCAGT
GTCCCAGAGCCTCAGTCAAGCCTAGATTCTACGTCTTCACTATGCAGCCAGGCCCTGTGTCAAATCAGT
CACTTTTATCAGAATCTGTAGCACCTTCCCAAGTGGACAGTACATCTGTGGACAAAGCAGTATCCGAGAC
AGAAGACCTGCAAGGACCCAGAGCAGAGGGCCTTGTTCCTTGAATGTGATCCTCCATCTTCAGTATCA
GATACGACACAGCAGCCATCTGAAGAGCAAAGCAAGTCTTTGAAAAACAAAAAAGAAATCGCT
GTTTCATGTGCAGGAAGAAAGTGGACTTACTGGGTTTGAATGCCGGTGTGAAATGTTTACTGTGGTGT
GCACCGTTACTCAGATGTTACAATTGCTCTTACAATTACAAGCTGATGCTGTGAGAAAATCAGAAAA
GAAAATCCAGTAGTTGTTGGTGAAGATCCAGAAAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202582 representing NM_022985
Red=Cloning site Green=Tags(s)

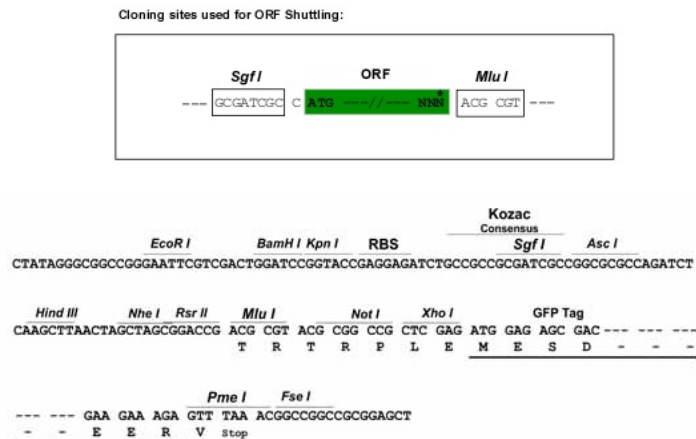
MAQETNHSQAPMLCSTGCGFYGNPRTNGMCSVCYKEHLQRQNSSNGRISPPAASVSSLSESLPVQCADGS
VPDAQSALDSTSSMQPGVSNQSLLESVAPSQVDSTSVDKAVSETDLQGPRAEGLVPLECDPPSSVS
DTTQQPSEEQSKSLEKPKQKKNRCFMCRKKVGLTGFECRCGNVYCGVHRYSDVHNCSSYNYKADAAEKIRK
ENPVVVGEEKIQKI

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022985

ORF Size: 669 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_022985.3](#), [NP_075361.2](#)

RefSeq Size: 1658 bp

RefSeq ORF: 672 bp

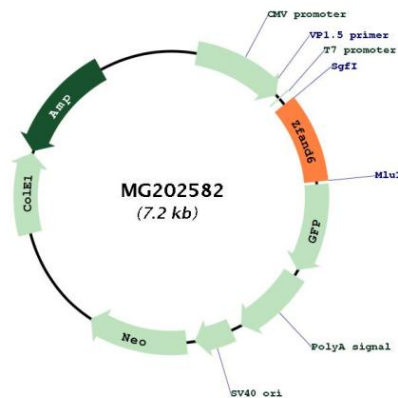
Locus ID: 65098

UniProt ID: [Q9DCH6](#)

Cytogenetics: 7 D3

Gene Summary: Involved in regulation of TNF-alpha induced NF-kappa-B activation and apoptosis. Involved in modulation of 'Lys-48'-linked polyubiquitination status of TRAF2 and decreases association of TRAF2 with RIPK1 (By similarity). Required for PTS1 target sequence-dependent protein import into peroxisomes and PEX5 stability; may cooperate with PEX6. In vitro involved in PEX5 export from the cytosol to peroxisomes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202582