

Product datasheet for **MG208586**

Farsb (BC002313) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Farsb (BC002313) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Farsb
Synonyms:	Frsb, Farsa, Farsl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208586 representing BC002313
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGAGTTTGACGAAGTGTGTTTGAATTTGGTCTGGAAGTGGATGAAATTATACGACCTCCTGTGTC
 TGGAAGGACTGGCTCGGGCCTCCAGGCTTCAAAGAAAAGGATCAAAGCTCCGGTATATAAGCGAGTGAT
 GCCCAAGGGAGACATCCAAAAGCTGTTATCACAGAAGAGACAGCCAAAGTGCGCCCTTTTGTGTAGCA
 GCAGTTCTCCGGAATATCAAGTTCACTAAAGACCGATATGACAGCTTCATTGAACTTCAGGAGAACTAC
 ACCAGAATATCTGCAGGAAAAGAGCGTTGGTTGCTATTGGAAGTCAAGCTTGGACACTTTATCAGGCC
 ATTTACTTACACCGCAAACGCTCTCAGATATCAAATCAAGCCTCTGAATAAGACCAAGGAGTATACA
 GCTTGTGAATTAATGAACATATAAAGACTGACAACACCTTAAACATTATTTACATATCATTGAAAGTA
 AGCCCTGTATCCAGTTATCTATGACAGCAATGGTGTGGTCTGTGATGCCTCCGATTATAAATGGGAA
 TCATTCAAAAAATACAGTAAATACTAGGAATATATTTATTGAATGCACAGGGACTGACTTACTAAGGCA
 AAAATCGTGCTTACATTATTGTACCATGTTCAAGTGAACACTGTGAAAAACAGTTTACAGTTGAAGCAG
 TTGAAGTAGTTTCTCTAATGAAAAATCAAGTACCTTTCCAGAGCTGCCTTACAGAAAGGAGATGGTGAG
 AGCTGATTTAATTAACAAGAAAGTTGGAATCAGAGAACTCCTGCAAATCTCGCCAAAGCTCCTGACCAGG
 ATGTGTCTGAAGTCAGAAGTCATAGGTGACGGCAATCAGATTGAGGTTGAAATTCCTCCGACCAGAGCAG
 ATGTATCCATGCATGTGACATTGTGGAGGACGCGACTATTGCTTATGGCTATAACAACATTCAGATGAC
 TCTGCCGAAAACGTACACCATAGCTAATCAATTCCTCTCAACAAGCTCACCGAGCTCCTCAGACTTGAC
 ATGGCTCGGCTGGCTTACCGAAGCACTGACTTTTGTCTGTGCTCCCAAGAAGATATTGCTGACAAGC
 TTGGCTGGATATCTCTGCAACAAGGCAAGTGCACATAAGTAATCCCAAAACCGCTGAGTCCAGGTGGC
 GCGCACTACCCTTCTTCCCTGGCCTTCTAAAGACCATTGCAGCAAACCGGAAGATGCCCTTCCCTCTCAA
 CTGTTTGAATCTCTGACGTTGTAGTAAAAGATTCTGGCAAAGATGTAGGTGCGAAAAACTACAGGCATC
 TCTGTGCTGTTTATTACAGCAAGACTCCCGGGTTGAGATCATCCATGGCTTGTGGACAGAATTATGCA
 GCTGCTCGATGTGCCTCCTGGTGAAGAAAGCGGGGCTACATGATCAAAGCGTCTGCAGGTTCTGCATTT
 TTCCCTGGACGGTGTGCTGAGATCTTTGTTGGGGTCAAAGCATTGGGAAGCTAGCGCTCCTTCATCCTG
 ATGTTATACCAAATTTGAGCTGACCATGCCCTGTTCTCTCTGGAAATCAATATTGAGCCCTTTTGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208586 representing BC002313
 Red=Cloning site Green=Tags(s)

MKSLTNCVLNLVWNLMLKYDLLCLEGLARGLQVFKERIKAPVYKRVMPKGDIIQKLVITEETAKVRPFAVA
 AVLNRNIKFTKDRYDSFIELQEKLHQNICRKRALVAIGTHDLDTLSPFTYAKRPSDIKFKPLNKKEYT
 ACELMNIYKTDNHLKHYLHIIIESKPLYPIYDSNGVVLMPPIINGNHSKITVNRNIFIECTGDTFKA
 KIVLDIIIVTMFSEHCENQFTVEAVEVSPNGKSSTFPELTPYRKMVRADLINKKVGIRETPANLAKLLTR
 MCLKSEVIGDGNQIEVEIPPTADVHACDIVEDAAIAYGNNIQMTLPKTYTIANQFPLNKLTELLRLD
 MAAAGFTEALTFALCSQEDIADKLGDISATKAVHISNPKTAEFQVARTLLPGLLKTIAANRKMPLPLK
 LFEISDVVVKDSGKDVGAKNYRHLCAVYYSKTPGFEIIHGLLDRIMQLLDVPPGEESGGYMIKASAGSAF
 FPGRCAEIFVGGQSIGKLGVLHPDVITKFEITMPCSSLEINIEPFL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	BC002313
ORF Size:	1608 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:	BC002313.1
RefSeq Size:	1822 bp
RefSeq ORF:	1610 bp
Locus ID:	23874
Cytogenetics:	1 C4