

Product datasheet for **MG212425**

Pibf1 (NM_029454) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pibf1 (NM_029454) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pibf1
Synonyms:	1700017E21Rik; 4930513H15Rik; 4933438D16Rik; 4933439E17Rik; D14ErtD581e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212425 representing NM_029454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTCGCAAAATTGCCAAGGAACCAAAAAAGTAAATATCTCTAGTTCTCTGGAGTCTGAAGATTA
 GTTTGAAACAACCATTCATACAGATGATGTCTCATCATCAGAGGAGCGAGAAGGTTAAAGTCAAAATCAC
 CAGGCAGTTAATCGAAAGAAAAGAGATACTTCATAATATTCAGTTACTGAAAATCGAGCTATCCCAGAAA
 AACATGATGATCGACAACCTTGAAGTGGATTATCTTACAAAGATTGAGGAGCTAGAGGAAAACTTAATG
 ACGCCCTTACCAGAAGCAGCTGCTAACTTTGCGATTAGACAATCAGTTGACTATTCAACAGAAAGATGC
 CAAAAATATCAAGAATAATGAAACAAGAAATGGAAACATTTTATTGCGACAGAAGCAACTGGAAGAA
 ACAAAACATCAGCTGAGAGAAAAGGCTGGAGATGTTCCGCCGAAATCTGCGAGACTTTGAGCTGACAGAAG
 AGCAGTATGTGAAGCTAAATCTTTTCTGAAGATCAACTCTCTATTCTGAATATGTATCTATTCGCTT
 CTATGAGCTCGTGAACCCATTAAGAAAGGAAGTCTGTGAGCTACAGGTGAAGAAGAGTGAAGTCTCTGAA
 GAAGTGAAGTACAAGTAAAGGCCAACTGAAGCAGCTGACGGAGACATATGAAGAAGATCGAAGAAAACACG
 CTGAACCTCTAATTCGATGTCAACGTTTACCTTAGAATTAGCAGACACAAAACAGTTAGTTTCAGCAAGG
 TGATTACCGTCAAGAGAACTATGACAAAGTGAAGAGTGAACGCGATGCTCTGGAACAGGAGTACTCGAG
 CTTAGAAGAAAACACGAAGTACTTGAAGCCTCTCACATAGCTCAAGCTAAGGAAAGGAATGAATTATCAA
 AGGAGGTCAGCAGCCTGCAGCAGACAGTCAACCTGCTGCAGAAGGATAAAGACTACCTCAATCGCCAAAA
 CATGGAAGTCAAGTACGCTGTGCCATGAGGAGGATCGGCTGGAAGGCTGCAAGTTCAACTGGAAGAC
 ACCAAAAAGGCTAGAGAAGAGATGTATGAGAAATATGTCACGTCAGAGACCATTATAAAACAGAATATG
 AAAATAAACTACATGATGAAGTGAACAAATCAAATTGAAAATCTAGAAAATTGATCAGCTTCGAAG
 TGCTCTAGGGAAATGTATGAACGAGAAAACAGAAATCTCCGTGAAGCAAGGGATAATGCACCTCGTGAA
 AAGAACCAGCAGTGGCAGCGGAAAAGGACGCTCTGGAAAGCATGAGCAGCTCCTAGACAGGTACAGAG
 AACTCCAGCTCAGTACAGAGAGCAAGGTATCTGAGTTTCTCCATCAGAGCAAGTTGAAGTCTTTGAAAG
 TGAGCGTGTCAACTCCTGCAAGAGGAACTGCAAGAAATCTCACGCAGTCCAGTTGGAGTGTAAAAA
 TATCAGAAGAAATTGGAGGTACCTTTATGTAACCTTCCCTGGACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG212425 representing NM_029454
 Red=Cloning site Green=Tags(s)

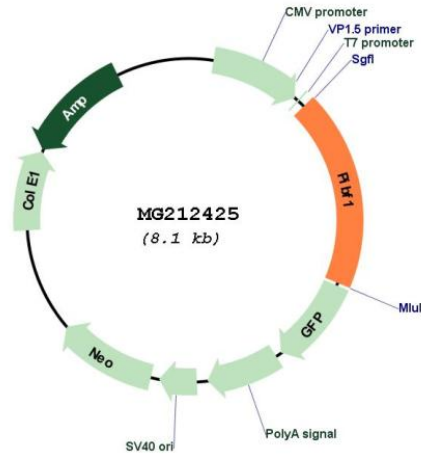
MSRKIAKEPKKVNISSELESEDISLETTIHTDDVSSSEEREGKVKITRQLIERKEILHNIQLLKIQLS
 NMMIDNLKMDYLTKIEELEEKLNDAHQKQLLTLRLDNQLTIQQKDAKKYQELMKQEMETILLRQKQLEE
 TNHQLREKAGDVRRLRDFELTEEQYVKLSFPEDQLSIPEYVSIRFYELVNPLRKEVCELVQVKSSELSE
 ELSTSKGQLKQLTETYEDRRNNAELLIRCQRLTLELADTKQLVQGDYRQENYDKVKSERDALEQDVLE
 LRRKHEVLEASHIAQAKERNELSKEVSSLQQTVLLQKDKDYLNRQNMELSVRCAHEEDRLERLQVQLED
 TKKAREEMYEKYVTSRDHYKTEYENKLHDELEQIKLKTNLEIDQLRSASREMYERENRNLREARDNALAE
 KNRVAEAEKDALGKHEQLLDYRELQLSTESKVFELHQSKLKSFESEVQVLLQEETARNLTQCQLECEK
 YQKKLEVPLCNFPWT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_029454

ORF Size: 1515 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.

RefSeq: [NM_029454.4](#), [NP_083730.2](#)

RefSeq Size: 3165 bp

RefSeq ORF: 1518 bp

Locus ID: 52023

Cytogenetics: 14 49.27 cM