

Product datasheet for **MG210952**

Fam13b (NM_146084) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam13b (NM_146084) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam13b
Synonyms:	2610024E20Rik; AW060714; AW546153
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210952 representing NM_146084
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGAAGAGCTCCTCCCTTCCTTGAGTAAGTCAACTCCGATCTTGCTAGCAAAATATTTGGAATTC
 CACTTGATGAGCTGCAGCAGGGAGGACATCCAGACAATGAGGTTCCGTTTCATAGTCCGCCAGTTGTGGA
 CTATATTGAGGAACATGGAGGTCTGGAGCAACAAGGGCTGTTTCAAGTCAATGGGAATGCTGAGACAGTG
 GAGTGGCTTCGGCAGAGATACGACAGTGGAGAAGAGGTGGACTTGGTTAAGGAAGCGGACGTCCCCTCAG
 CCATTAGTCTCCTTAGGTTTTCTGCAGGAGCTCCCTGAGCCCGTCATACCTGGCAGCTTGCAATTCA
 CTTGCTGCAGCTTCTCAAGATTATAAATGAAGATGAATTTGGAAGAAAGTTGAGGTTCTCTTGCAA
 CAGCTCCACCTGTTAATTACAGTTTGTAAAGTTTCTGTGTAGGTTTTAGCCAATGTAGCATCACATC
 ATGAAGAAATTTGGTCTGCAAAATCTTTGGCTGCTGTTTTGGTCCAGATGCTTCCACATTTACACGGA
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 TTTTTTGAGAATGAAGAGGAAGATTTTTCATCAAATGATTTGAGTTCAATTAAGTACTGAGCAGGTTAATGAAC
 TTTCTGAGGAAGAAGAGGAAGATGAAAAGCTGGAGCATATAGAAGAACTCCAGAAGAAGGTGTAGAAAA
 GTCAGCTGGCATGCCAGAGGTGCTGCAGTTAAGGATGACTGAAAACCTTCTGGACTCAGACAGTGTTACA
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 AGGAAGGAATATTTATGATGACAGTGATAAATGCCGCACTTATTCTGGATTCTAGTAGCAAGATAC
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 GCTCTTCTAGACCATGAGGACGGCAGAGTGAAGGTGAGCCAGAGTCATTCAGAAAAGAGAAGACGCC
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 TACGTAAGATGCTACGGGAGTTTGAAGAAGCGTTCTATCAACAAAATGGAAGGAATGCCAGAAAGGAGGA
 TCGTGTCCGGTCTTGAGGAATATAAGGAATACAAGAGAATCAAAGCCAAGCTTAGACTTCTTGAAGT
 CTTATCAGCAAACAAGACTCTTCAAATCCATA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210952 representing NM_146084
Red=Cloning site Green=Tags(s)

MRKSSPSL S N C N S D L A S K I F G I P L D E L Q Q G G H P D N E V P F I V R H V V D Y I E E H G G L E Q Q G L F Q V N G N A E T V
E W L R Q R Y D S G E E V D L V K E A D V P S A I S L L R F F L Q E L P E P V I P G S L H I H L L Q L S Q D Y N N E D E F G R K L R F L L Q
Q L P P V N Y S L L K F L C R F L A N V A S H H E E I W S A N S L A A V F G P D V F H I Y T D V E D M K E Q E I V S R I M A G L L E N Y Y E
F F E N E E E D F S S N D L S S I T E Q V N E L S E E E E E D E K L E H I E E L P E E G V E K S A G M P E V L Q L R M T E N L L D S D S V T
A S T R I D A A A A T T T N A S D G N I K C S K P V A G T T A D N E V M Q Q D F V F E D Q K N N E S V G I L L E P C S D H G D S E D G C P E
R K E Y L L C D S D K L P H L I L D S S S K I R D L N A N T E L E V T E G Q S V G V Q G E A A C I Q I A Q L D L K N V S D G D K W E E P F P
A F K S W Q E D C E S G E A Q L S P Q A A R M T H H P L G E D C P P V L S H R S L D F G Q S Q R F L H D P E A L D F S S K A L S F T R I R R
S S F S S K D E K R E D R T P Y Q L V K K L Q K K I R Q F E E Q F E R E R N S K P S Y S D I A A N P K V L K W M T E L T K L R K Q I K D A K
H K N S D G E F A P Q T R P R S N T L P K S F G S S L D H E D G E S E G E P R V I Q K E K T P S K E A T L E L I T K R L K E N R A E R H L P
E D I K K M T K D H L I E E K T S L Q K S L L Y Y E S Q H G R P V T R E E R H I V K P L Y D R Y R L V K Q M L T R A S I T P V L G S P S T K
R R G Q M L Q P I I E G E T A H F F E E I K E E E E D G V S L S S E L G D I L S T S V H T Q S S L E N L E S D A E E N Q E K L A R D L C L S
S T R A A S V P E L L E Q L W K A R A E K K L R K M L R E F E E A F Y Q Q N G R N A Q K E D R V P V L E E Y K E Y K R I K A K L R L L E V
L I S K Q D S S K S I

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

ACCN:	NM_146084
ORF Size:	2553 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:	NM_146084.1 , NP_666196.1
RefSeq Size:	3359 bp
RefSeq ORF:	2556 bp
Locus ID:	225358
UniProt ID:	Q8K2H3
Cytogenetics:	18 B1