

Product datasheet for **MG215793**

Efhb (NM_172497) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Efhb
Synonyms:	4921525D22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG215793 representing NM_172497
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

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AC**CGCT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215793 representing NM_172497

Red=Cloning site Green=Tags(s)

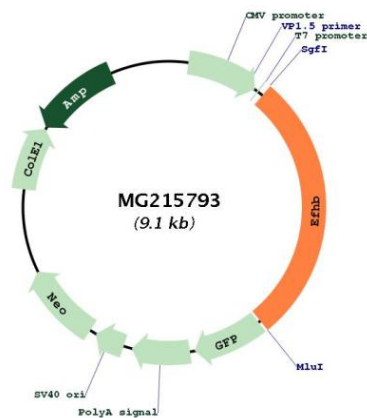
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RYGGTLHPPFSTVHASPLAAESRRRPLAWGSAWTDVVEKQPVVGLELRKEPEKEPTCVVMNPYEMPPK
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_172497.3, NP_766085.2</u>
RefSeq Size:	2661 bp
RefSeq ORF:	2562 bp
Locus ID:	211482
UniProt ID:	<u>Q8CDU5</u>
Cytogenetics:	17 C
Gene Summary:	Cytosolic sensor for calcium, modulates the interaction of STIM1 and ORAI1 upon store depletion, the activation of store-operated Ca(2+) entry (SOCE) and NFAT translocation from cytosol to nucleus.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG215793