

Product datasheet for **RG209704**

NECAB1 (NM_022351) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NECAB1 (NM_022351) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NECAB1
Synonyms:	EFCBP1; STIP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209704 representing NM_022351 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGATCCAGGAGACATCGCCGTCTCCAACAACCTCGGAGGAGCTCAGCTCTGCTCTGCACC
TGTCGAAGGGCATGTCGATCTTCTCGACATACTGAGGAGAGCAGACAAAAATGATGATGGAAAATTATC
CTTTGAAGAATCAAAGCATATTTGCAGATGGTGTCTCAGTGGAGAAGAATTACAGGACTTTTCCAT
ACCATTGATACATAATACTAATAATCTTGACACAGAAGAGCTATGTGAATATTTTCTCAGCACTTGG
GCGAGTATGAGAATGACTAGCAGCACTGAAGGCCTGAATCTTCCATCCTGAAGGCAATGGGCAAAAC
AAAGAAAGACTACCAAGAAGCCTCAATTTGGAACAATTCGTAAC TAGATTTTTATTGAAGGAAACCTG
AATCAGCTGCAGTCTCTCCAGAATTCCTGGAATGTGCCATGGAACTACTGAGGAGCAAACCCGTC AAG
AAAGGCAAGGGCCAGCCAAGCCAGAAGTCTGTGATTCAATGGCCTGGAAAACGATCAAGCCGCGGAGT
CCAGAGACACAACAGCTTCTCCCAAACAGCCCTCAGTTAATGTGAGCGGTCCAGGCTTATTAGAAGAA
GACAACCAAGTGGATGACCCAGATAAATAGACTCCAGAAATTAATTGATAGACTGGAAAAGAAGGATCTCA
AACTCGAACCACCAGAAGAAGAAATTATTGAAGGGAATACTAAATCTCACATCATGCTTGTGAGCGGCA
GATGCTGTGATAGAAGAGGACCTGGAAGAATTCAGCTCGCTCTGAAACTACTGATGATCTATGAT
TCTCAAAGTGGATGCTTGCATTTCTATACAGAAGCTTCAAATGAATCTCGCTACATGATCTATGAT
TCTGGGAGAATAGTAGTGTATGGAATAGCCACCTTCAGACAAAATTATAGCAAGACATTCCAAAGAAGTAA
TGTGGATTTCTTGAAACTCCAGAACTCACATCTACAATGCTAGTTCTGCTTCGTGGTGGATCCTGAAC
AAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209704 representing NM_022351
 Red=Cloning site Green=Tags(s)

MEDSQETSPSSNNSSEELSSALHLSKGMISIFLDILRRADKNDGKLSFEEFKAYFADGVLSGEELHELFFH
 TIDHTNNTLDEELCEYFSQHLGEYENVLALEGLNLSILKAMGKTKKDYQEASNLEQFVTRFLLKETL
 NQLQSLQNSLECAMETTEEQTRQERQGPAPPEVLSIQWPGKRSSRRVQRHNSFSPNSPQFNVSGPGLLEE
 DNQWMTQINRLQKLI DRLEKKDLKLEPPEEEIIEGNTKSHIMLVQRQMSVIEEDLEEFQLALKHYVESAS
 SQSGCLRISIQKLSNESRYMIYEFWENSSVWNSHLQTNYSKTFQRSNVDFLETPELTSTMLVPASWWILN
 N

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022351

ORF Size: 1053 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_022351.2](#), [NP_071746.1](#)

RefSeq Size: 5229 bp

RefSeq ORF: 1056 bp

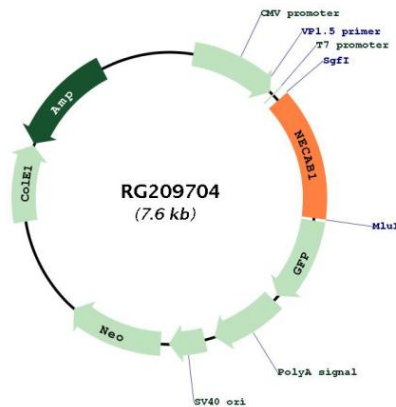
Locus ID: 64168

UniProt ID: [Q8N987](#)

Cytogenetics: 8q21.3

Domains: EFh, ABM

Product images:



Circular map for RG209704